

# **1997**

# **Toxics Release Inventory**

# **State Fact Sheets**

U.S. Environmental Protection Agency  
Office of Pollution Prevention and Toxics (7408)  
Washington, D.C. 20460



# 1997 TOXICS RELEASE INVENTORY

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# 1997 TOXICS RELEASE INVENTORY

## Introduction

The fact sheets in this document summarize the basic 1997 Toxics Release Inventory (TRI) data for each state. This document serves as a companion volume to EPA's *1997 Toxics Release Inventory Public Data Release* (EPA 745-R-99-003), a more detailed examination of TRI data for 1997 and previous years.

The TRI is a publicly available database containing information about releases and other waste management of toxic chemicals by manufacturing facilities. The TRI was established by section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) of 1986. EPCRA was passed to promote planning for chemical emergencies and to provide information to the public about the presence and release of toxic and hazardous chemicals in their communities. Following passage of the Pollution Prevention Act of 1990, the TRI was expanded to include reporting of additional waste management and pollution prevention activities.

By July 1 each year, facilities must report their estimated amounts of releases and other waste management of toxic chemicals for the preceding calendar year. Facilities provide this information to EPA and to the state in which they are located. For 1997, 21,490 facilities filed 71,670 individual chemical reporting forms. After completion of data entry and data quality assurance activities, EPA makes these data available to the public through an on-line database and through a variety of other means, including this report.

For further information about TRI and for assistance in obtaining TRI documents, contact the EPCRA Information Hotline at 1-800-424-9346. For assistance in obtaining access to the data, contact the TRI User Support Service at 202-260-1531. For further information about individual state TRI programs, contact the state TRI coordinator listed at the bottom of the fact sheet for that state.

## TRI Data by State: Overview

Tables on the following pages summarize 1997 TRI reporting by state. For 1997, individual tables supply state summaries of on- and off-site releases (includes transfers out-of-state for disposal), on-site releases (includes amounts released at the facility; excludes amounts transferred to other sites for disposal), and releases within each state (includes off-site releases sent into the state by facilities in other locations, excludes transfers out-of-state for disposal). Similar tables provide comparable data for 1996 and for 1995. The final three tables summarize these data for the three-year period, 1995-1997. ("Description of the Fact Sheets," below, explains data provided in these tables as well as in the individual state fact sheets.)

## Description of the Fact Sheets

Each two-page state fact sheet provides the following:

- A map of each state with a triangle marking the location of each facility reporting to the TRI in 1997. Triangles are proportionally sized to represent each facility's total on-site releases.
- **On- and Off-site Releases:** The amounts of toxic chemicals released to air, water, and land and injected into underground wells (on-site releases) at reporting facilities within the state and the amounts of toxic chemicals transferred off-site to disposal (off-site releases) by reporting facilities within the state. Off-site releases include transfers to disposal of all TRI chemicals plus transfers of metals and metal compounds to solidification/stabilization, to wastewater treatment (excluding POTWs), and to POTWs.



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Total On- and Off-site Releases is not the same as Quantity Released On- and Off-site. These *State Fact Sheets* present both amounts in the top right corner for each state. Facilities are also ranked separately in each state for both of these measures of releases.

The difference between these amounts arises primarily from the types of releases reported on different sections of the Form R. Total On- and Off-site Releases reflects all on-site releases collected in Section 5 of Form R plus off-site releases (transfers off-site for disposal) reported in Section 6 (including metals and metal compounds transferred to solidification/stabilization and to wastewater treatment, including POTWs). The Quantity Released On- and Off-site is reported in Section 8.1 of Form R. This quantity reflects production-related releases and excludes releases associated with catastrophic events, remedial actions, and other one-time events not related to production.

Other reasons also contribute to the different quantities reported in different sections of the Form R. For example, a release or transfer of less than 1,000 pounds may be reported in ranges in Section 5 and 6 whereas an exact amount must be included in Section 8. Furthermore, facilities may round off the quantities reported in Section 8 to two significant digits.

In 1997, some facilities reported transfers of metals and metal compounds to solidification/stabilization and to wastewater treatment (excluding POTWs) using incorrect disposal codes in Section 6 of Form R (codes M40 and M61). For the *1997 TRI Public Data Release* and the *State Fact Sheets*, off-site releases include these amounts. These facilities may have reported these transfers in Section 8 as treated off-site rather than incorporating the amounts into Quantity Released On- and Off-site. Because of the differences between Section 6 and Section 8 reporting, EPA cannot correct these Section 8 quantities.

- **Waste Management:** Quantities of TRI chemicals in production-related waste managed by reporting facilities, including recycling, energy recovery, and treatment on-site and off-site, as well as the quantity released on- and off-site. Total production-related waste managed excludes quantities released as the result of one-time events, for example, remedial activities or catastrophic events (non-production-related waste).
- Population and area of the state, the number of facilities reporting to TRI from the state, and the number of forms submitted by those facilities. Population statistics for the 50 states and the District of Columbia are 1997 U.S. Census estimates issued December 1998; the U.S. Census estimate for Puerto Rico was issued December 1997. Population figures for American Samoa, the Virgin Islands, and Guam are from the 1990 U.S. Census, the most recent data available.
- The state's national rank (and pounds) for total on- and off-site releases (includes transfers out-of-state for disposal), for total on-site releases (includes amounts released at the facility; excludes amounts transferred to other sites for disposal), for total releases within the state (includes off-site releases sent into the state by facilities in other locations, excludes transfers out-of-state for disposal), and for total production-related waste managed.
- The five chemicals released in the state in the largest amounts (including transfers into the state for disposal and excluding transfers out-of-state for disposal). Ranking of chemicals includes on-site releases (reported in Section 5 of TRI's Form R) and off-site releases (reported in Section 6 of TRI's Form R, including transfers of metals and metal compounds to solidification/stabilization and to wastewater treatment including POTWs).



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- The five facilities reporting the largest amounts of total on-site releases of TRI chemicals (reported in Section 5 of TRI's Form R).
- The five facilities reporting the largest amounts of total quantity of TRI chemicals released on- and off-site (reported in Section 8.1 of TRI's Form R).
- Contact names, telephone numbers, and fax numbers for the state TRI coordinator and for the EPA TRI coordinator for the region in which the state is located.

## TRI On-site and Off-site Releases by State, 1997 (Ordered by Total Releases)

State	On-site Releases						Off-site Releases	Total On-and Off-site Releases
	Fugitive or Nonpoint Air Emissions	Stack or Point Air Emissions	Surface Water Discharges	Underground Injection	Releases to Land	Total On-site Releases	Transfers Off-site to Disposal	
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	
Texas	44,192,427	64,174,248	20,788,710	89,929,406	21,263,351	240,348,142	21,361,837	261,709,979
Louisiana	15,182,905	59,655,947	46,909,318	54,243,582	7,785,877	183,777,629	2,260,624	186,038,253
Ohio	17,380,583	49,426,018	6,061,775	11,584,640	28,674,261	113,127,277	45,548,556	158,675,833
Pennsylvania	12,657,583	27,097,075	38,517,920	0	1,672,011	79,944,589	63,298,931	143,243,520
Illinois	14,522,434	50,573,740	4,854,561	3,352	24,613,731	94,567,818	33,033,233	127,601,051
Indiana	18,275,306	38,761,669	2,311,707	1,262,661	17,327,826	77,939,169	44,608,861	122,548,030
Tennessee	14,840,218	67,106,877	1,568,988	9,273,267	5,165,744	97,955,094	8,926,783	106,881,877
Utah	1,988,392	63,573,210	1,230,027	0	27,134,462	93,926,091	9,791,134	103,717,225
Florida	6,528,544	25,575,012	8,636,614	27,506,942	19,918,127	88,165,239	7,253,482	95,418,721
Alabama	13,399,398	48,792,687	4,759,101	10	10,634,721	77,585,917	17,085,362	94,671,279
Michigan	8,005,603	36,340,485	529,145	5,596,855	2,595,399	53,067,487	32,214,433	85,281,920
North Carolina	9,785,804	42,271,220	6,460,436	29,100	18,578,876	77,125,436	7,941,510	85,066,946
Georgia	6,712,962	41,505,357	7,181,085	0	3,147,557	58,546,961	13,334,549	71,881,510
Mississippi	8,458,049	29,582,386	11,945,812	8,544,641	6,108,768	64,639,656	1,526,415	66,166,071
Missouri	7,621,711	26,166,444	3,332,020	0	20,171,157	57,291,332	5,532,654	62,823,986
Arkansas	5,773,151	19,601,230	1,800,354	1,463,498	3,741,709	32,379,942	27,342,321	59,722,263
South Carolina	7,010,515	37,298,346	2,648,852	0	2,128,006	49,085,719	9,359,020	58,444,739
Virginia*	10,329,882	36,971,433	3,859,721	0	1,218,780	52,379,816	5,548,253	57,928,069
Wisconsin	4,507,753	21,385,873	2,972,233	5	1,269,168	30,135,032	20,424,365	50,559,397
Kentucky	10,399,255	24,734,099	669,063	0	2,943,287	38,745,704	8,555,487	47,301,191
California	11,665,435	19,626,323	4,274,294	414,781	1,074,718	37,055,551	8,095,061	45,150,612
Montana	690,826	3,623,938	97,172	0	37,719,409	42,131,345	1,221,040	43,352,385
New York	5,340,443	18,932,557	4,367,682	500	1,298,885	29,940,067	8,645,580	38,585,647
Iowa	5,318,259	19,028,005	2,616,551	0	2,078,052	29,040,867	5,155,244	34,196,111
New Mexico	1,141,265	1,314,117	8,050	0	31,624,037	34,087,469	83,532	34,171,001
Washington	4,267,239	17,362,667	2,463,756	0	340,715	24,434,377	7,396,089	31,830,466
Arizona	6,231,863	2,638,382	4,618	6	22,109,559	30,984,428	434,071	31,418,499
Oregon	3,873,881	13,252,554	4,266,121	41,110	2,906,013	24,339,679	6,591,882	30,931,561
Kansas	4,819,448	15,281,529	571,315	996,103	1,055,263	22,723,658	4,008,558	26,732,216
Oklahoma	4,966,256	13,482,121	716,150	1,724,679	731,511	21,620,717	3,178,213	24,798,930
West Virginia	3,785,715	10,194,248	6,771,631	0	71,656	20,823,250	3,947,692	24,770,942
New Jersey	3,353,227	6,147,193	5,399,681	2	1,258,837	16,158,940	4,608,497	20,767,437
Minnesota	3,193,359	13,829,946	324,718	0	250,591	17,598,614	2,567,851	20,166,465
Nebraska	2,383,056	4,949,740	543,072	0	610,238	8,486,106	9,491,869	17,977,975
Idaho	1,710,540	3,636,153	1,128,221	0	11,015,894	17,490,808	257,770	17,748,578
Maryland	1,400,318	6,442,829	2,026,236	1	2,647,385	12,516,769	1,182,575	13,699,344
Maine	1,034,398	5,592,969	996,800	0	338,023	7,962,190	1,807,793	9,769,983
Connecticut	2,098,117	3,344,118	670,797	0	38,631	6,151,663	3,518,017	9,669,680
Wyoming	879,707	1,416,706	7,485	6,820,755	224,703	9,349,356	7,802	9,357,158
Puerto Rico	3,179,260	3,974,830	17,529	0	4,772	7,176,391	767,785	7,944,176
Massachusetts	1,952,340	3,667,789	49,400	0	48,034	5,717,563	1,335,847	7,053,410
Colorado	1,234,062	2,240,080	928,029	5	104,936	4,507,112	640,449	5,147,561
Alaska	521,559	3,758,097	333,613	430	1,948	4,615,647	1,507	4,617,154
Nevada	526,249	1,169,467	0	0	2,723,511	4,419,227	15,886	4,435,113
South Dakota	761,376	1,530,931	1,800,093	0	2,344	4,094,744	121,839	4,216,583
Delaware	518,471	2,273,324	229,709	0	297,989	3,319,493	187,340	3,506,833
New Hampshire	267,424	1,915,798	114,890	0	216,025	2,514,137	272,796	2,786,933
North Dakota	402,898	1,544,065	439,714	0	2,463	2,389,140	33,285	2,422,425
Rhode Island	873,081	894,026	2,177	0	4,332	1,773,616	405,268	2,178,884
Virgin Islands	977,512	423,886	25,723	0	1,468	1,428,589	108	1,428,697
Vermont	69,311	146,729	188,985	0	262	405,287	161,408	566,695
Hawaii	207,891	202,092	2,119	25,750	6,188	444,040	8,365	452,405
American Samoa	12,750	0	0	0	0	12,750	0	12,750
District of Columbia	3,300	10	5	0	3,300	6,615	0	6,615
Guam	0	0	0	0	0	0	0	0
Total*	317,233,311	1,014,430,575	218,423,778	219,462,081	346,904,510	2,116,454,255	461,098,829	2,577,553,084

\*Because of an EPA data entry error for one facility, 51,817 pounds were incorrectly identified as underground injection to Class I wells in Virginia in 1997. This amount should have been entered as discharged to surface waters. This summary table reflects the correct data. However, the error was discovered too late to be corrected throughout the main volume of the 1997 TRI Public Data Release.

## TRI On-site Releases by State, 1997 (Ordered by Total On-site Releases)

State	On-site Releases					
	Fugitive or Nonpoint Air Emissions	Stack or Point Air Emissions	Surface Water Discharges	Underground Injection	Releases to Land	Total On-site Releases
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Texas	44,192,427	64,174,248	20,788,710	89,929,406	21,263,351	240,348,142
Louisiana	15,182,905	59,655,947	46,909,318	54,243,582	7,785,877	183,777,629
Ohio	17,380,583	49,426,018	6,061,775	11,584,640	28,674,261	113,127,277
Tennessee	14,840,218	67,106,877	1,568,988	9,273,267	5,165,744	97,955,094
Illinois	14,522,434	50,573,740	4,854,561	3,352	24,613,731	94,567,818
Utah	1,988,392	63,573,210	1,230,027	0	27,134,462	93,926,091
Florida	6,528,544	25,575,012	8,636,614	27,506,942	19,918,127	88,165,239
Pennsylvania	12,657,583	27,097,075	38,517,920	0	1,672,011	79,944,589
Indiana	18,275,306	38,761,669	2,311,707	1,262,661	17,327,826	77,939,169
Alabama	13,399,398	48,792,687	4,759,101	10	10,634,721	77,585,917
North Carolina	9,785,804	42,271,220	6,460,436	29,100	18,578,876	77,125,436
Mississippi	8,458,049	29,582,386	11,945,812	8,544,641	6,108,768	64,639,656
Georgia	6,712,962	41,505,357	7,181,085	0	3,147,557	58,546,961
Missouri	7,621,711	26,166,444	3,332,020	0	20,171,157	57,291,332
Michigan	8,005,603	36,340,485	529,145	5,596,855	2,595,399	53,067,487
Virginia*	10,329,882	36,971,433	3,859,721	0	1,218,780	52,379,816
South Carolina	7,010,515	37,298,346	2,648,852	0	2,128,006	49,085,719
Montana	690,826	3,623,938	97,172	0	37,719,409	42,131,345
Kentucky	10,399,255	24,734,099	669,063	0	2,943,287	38,745,704
California	11,665,435	19,626,323	4,274,294	414,781	1,074,718	37,055,551
New Mexico	1,141,265	1,314,117	8,050	0	31,624,037	34,087,469
Arkansas	5,773,151	19,601,230	1,800,354	1,463,498	3,741,709	32,379,942
Arizona	6,231,863	2,638,382	4,618	6	22,109,559	30,984,428
Wisconsin	4,507,753	21,385,873	2,972,233	5	1,269,168	30,135,032
New York	5,340,443	18,932,557	4,367,682	500	1,298,885	29,940,067
Iowa	5,318,259	19,028,005	2,616,551	0	2,078,052	29,040,867
Washington	4,267,239	17,362,667	2,463,756	0	340,715	24,434,377
Oregon	3,873,881	13,252,554	4,266,121	41,110	2,906,013	24,339,679
Kansas	4,819,448	15,281,529	571,315	996,103	1,055,263	22,723,658
Oklahoma	4,966,256	13,482,121	716,150	1,724,679	731,511	21,620,717
West Virginia	3,785,715	10,194,248	6,771,631	0	71,656	20,823,250
Minnesota	3,193,359	13,829,946	324,718	0	250,591	17,598,614
Idaho	1,710,540	3,636,153	1,128,221	0	11,015,894	17,490,808
New Jersey	3,353,227	6,147,193	5,399,681	2	1,258,837	16,158,940
Maryland	1,400,318	6,442,829	2,026,236	1	2,647,385	12,516,769
Wyoming	879,707	1,416,706	7,485	6,820,755	224,703	9,349,356
Nebraska	2,383,056	4,949,740	543,072	0	610,238	8,486,106
Maine	1,034,398	5,592,969	996,800	0	338,023	7,962,190
Puerto Rico	3,179,260	3,974,830	17,529	0	4,772	7,176,391
Connecticut	2,098,117	3,344,118	670,797	0	38,631	6,151,663
Massachusetts	1,952,340	3,667,789	49,400	0	48,034	5,717,563
Alaska	521,559	3,758,097	333,613	430	1,948	4,615,647
Colorado	1,234,062	2,240,080	928,029	5	104,936	4,507,112
Nevada	526,249	1,169,467	0	0	2,723,511	4,419,227
South Dakota	761,376	1,530,931	1,800,093	0	2,344	4,094,744
Delaware	518,471	2,273,324	229,709	0	297,989	3,319,493
New Hampshire	267,424	1,915,798	114,890	0	216,025	2,514,137
North Dakota	402,898	1,544,065	439,714	0	2,463	2,389,140
Rhode Island	873,081	894,026	2,177	0	4,332	1,773,616
Virgin Islands	977,512	423,886	25,723	0	1,468	1,428,589
Hawaii	207,891	202,092	2,119	25,750	6,188	444,040
Vermont	69,311	146,729	188,985	0	262	405,287
American Samoa	12,750	0	0	0	0	12,750
District of Columbia	3,300	10	5	0	3,300	6,615
Guam	0	0	0	0	0	0
Total*	317,233,311	1,014,430,575	218,423,778	219,462,081	346,904,510	2,116,454,255

\*Because of an EPA data entry error for one facility, 51,817 pounds were incorrectly identified as underground injection to Class I wells in Virginia in 1997. This amount should have been entered as discharged to surface waters. This summary table reflects the correct data. However, the error was discovered too late to be corrected throughout the main volume of the 1997 TRI Public Data Release.

## TRI Releases Within the State, 1997 (Ordered by Total Releases Within the State)

State	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)		Total Releases Within the State Pounds
	Fugitive or Nonpoint Air Emissions	Stack or Point Air Emissions	Surface Water Discharges	Underground Injection	Releases to Land	Total On-site Releases	Transferred Into State	Transferred Within State	
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	
Texas	44,192,427	64,174,248	20,788,710	89,929,406	21,263,351	240,348,142	2,026,797	15,951,112	258,326,051
Ohio	17,380,583	49,426,018	6,061,775	11,584,640	28,674,261	113,127,277	60,975,728	38,899,852	213,002,857
Louisiana	15,182,905	59,655,947	46,909,318	54,243,582	7,785,877	183,777,629	3,939,145	1,696,311	189,413,085
Illinois	14,522,434	50,573,740	4,854,561	3,352	24,613,731	94,567,818	15,388,095	24,307,900	134,263,813
Pennsylvania	12,657,583	27,097,075	38,517,920	0	1,672,011	79,944,589	3,309,558	49,778,985	133,033,132
Indiana	18,275,306	38,761,669	2,311,707	1,262,661	17,327,826	77,939,169	1,952,183	39,990,373	119,881,725
Tennessee	14,840,218	67,106,877	1,568,988	9,273,267	5,165,744	97,955,094	625,660	5,077,135	103,657,889
Michigan	8,005,603	36,340,485	529,145	5,596,855	2,595,399	53,067,487	13,377,639	30,978,481	97,423,607
Utah	1,988,392	63,573,210	1,230,027	0	27,134,462	93,926,091	2,452,841	1,029,479	97,408,411
Florida	6,528,544	25,575,012	8,636,614	27,506,942	19,918,127	88,165,239	146,268	1,771,893	90,083,400
Alabama	13,399,398	48,792,687	4,759,101	10	10,634,721	77,585,917	3,562,232	8,174,562	89,322,711
North Carolina	9,785,804	42,271,220	6,460,436	29,100	18,578,876	77,125,436	493,644	3,434,565	81,053,645
Mississippi	8,458,049	29,582,386	11,945,812	8,544,641	6,108,768	64,639,656	36,282	770,565	65,446,503
Missouri	7,621,711	26,166,444	3,332,020	0	20,171,157	57,291,332	428,775	3,252,869	60,972,976
Georgia	6,712,962	41,505,357	7,181,085	0	3,147,557	58,546,961	308,807	2,025,495	60,881,263
South Carolina	7,010,515	37,298,346	2,648,852	0	2,128,006	49,085,719	5,122,072	5,107,943	59,315,734
Virginia**	10,329,882	36,971,433	3,859,721	0	1,218,780	52,379,816	208,522	2,807,105	55,395,443
Wisconsin	4,507,753	21,385,873	2,972,233	5	1,269,168	30,135,032	2,099,726	18,330,714	50,565,472
Kentucky	10,399,255	24,734,099	669,063	0	2,943,287	38,745,704	1,193,892	4,736,857	44,676,453
Montana	690,826	3,623,938	97,172	0	37,719,409	42,131,345	1,615,870	295	43,747,510
Idaho	1,710,540	3,636,153	1,128,221	0	11,015,894	17,490,808	25,996,169	48,020	43,534,997
California	11,665,435	19,626,323	4,274,294	414,781	1,074,718	37,055,551	194,765	2,948,698	40,199,014
New York	5,340,443	18,932,557	4,367,682	500	1,298,885	29,940,067	5,129,547	4,142,288	39,211,902
Arkansas	5,773,151	19,601,230	1,800,354	1,463,498	3,741,709	32,379,942	318,560	1,634,404	34,332,906
New Mexico	1,141,265	1,314,117	8,050	0	31,624,037	34,087,469	0	75,494	34,162,963
Arizona	6,231,863	2,638,382	4,618	6	22,109,559	30,984,428	325,378	318,186	31,627,992
Oklahoma	4,966,256	13,482,121	716,150	1,724,679	731,511	21,620,717	6,440,492	2,138,197	30,199,406
Iowa	5,318,259	19,028,005	2,616,551	0	2,078,052	29,040,867	69,739	945,884	30,056,490
Kansas	4,819,448	15,281,529	571,315	996,103	1,055,263	22,723,658	3,927,143	2,820,968	29,471,769
Oregon	3,873,881	13,252,554	4,266,121	41,110	2,906,013	24,339,679	2,530,439	666,467	27,536,585
Washington	4,267,239	17,362,667	2,463,756	0	340,715	24,434,377	55,663	1,181,880	25,671,920
West Virginia	3,785,715	10,194,248	6,771,631	0	71,656	20,823,250	300,751	2,122,786	23,246,787
New Jersey	3,353,227	6,147,193	5,399,681	2	1,258,837	16,158,940	1,066,750	1,857,047	19,082,737
Minnesota	3,193,359	13,829,946	324,718	0	250,591	17,598,614	27,395	1,025,936	18,651,945
Maryland	1,400,318	6,442,829	2,026,236	1	2,647,385	12,516,769	340,869	448,065	13,305,703
Nebraska	2,383,056	4,949,740	543,072	0	610,238	8,486,106	66,416	963,297	9,515,819
Wyoming	879,707	1,416,706	7,485	6,820,755	224,703	9,349,356	0	6,729	9,356,085
Maine	1,034,398	5,592,969	996,800	0	338,023	7,962,190	25,675	1,271,234	9,259,099
Nevada	526,249	1,169,467	0	0	2,723,511	4,419,227	3,861,715	15,874	8,296,816
Puerto Rico	3,179,260	3,974,830	17,529	0	4,772	7,176,391	89	597,369	7,773,849
Connecticut	2,098,117	3,344,118	670,797	0	38,631	6,151,663	389,037	963,681	7,504,381
Massachusetts	1,952,340	3,667,789	49,400	0	48,034	5,717,563	310,622	617,471	6,645,656
Colorado	1,234,062	2,240,080	928,029	5	104,936	4,507,112	64,355	537,531	5,108,998
Alaska	521,559	3,758,097	333,613	430	1,948	4,615,647	0	1,500	4,617,147
South Dakota	761,376	1,530,931	1,800,093	0	2,344	4,094,744	0	120,581	4,215,325
Delaware	518,471	2,273,324	229,709	0	297,989	3,319,493	17,224	48,389	3,385,106
North Dakota	402,898	1,544,065	439,714	0	2,463	2,389,140	467,020	31,663	2,887,823
New Hampshire	267,424	1,915,798	114,890	0	216,025	2,514,137	230,105	51,148	2,795,390
Rhode Island	873,081	894,026	2,177	0	4,332	1,773,616	174,513	127,033	2,075,162
Virgin Islands	977,512	423,886	25,723	0	1,468	1,428,589	0	0	1,428,589
Hawaii	207,891	202,092	2,119	25,750	6,188	444,040	0	8,365	452,405
Vermont	69,311	146,729	188,985	0	262	405,287	715	6,156	412,158
American Samoa	12,750	0	0	0	0	12,750	0	0	12,750
District of Columbia	3,300	10	5	0	3,300	6,615	574	0	7,189
Guam	0	0	0	0	0	0	0	0	0
Other*	0	0	0	0	0	0	3,638,541	0	3,638,541
Total**	317,233,311	1,014,430,575	218,423,778	219,462,081	346,904,510	2,116,454,255	175,233,997	285,864,832	2,577,553,084

\* "Other" includes waste sent to other countries, to sites not identified by the reporting facility and transfers to POTWs in more than one state.

\*\*Because of an EPA data entry error for one facility, 51,817 pounds were incorrectly identified as underground injection to Class I wells in Virginia in 1997. This amount should have been entered as discharged to surface waters. This summary table reflects the correct data. However, the error was discovered too late to be corrected throughout the main volume of the 1997 TRI Public Data Release.



## TRI On-site and Off-site Releases, 1996 (Ordered by Total Releases)

State	On-site Releases						Off-site Releases	Total On-and Off-site Releases
	Fugitive or Nonpoint Air Emissions	Stack or Point Air Emissions	Surface Water Discharges	Underground Injection	Releases to Land	Total On-site Releases	Transfers Off-site to Disposal	
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	
Texas	49,558,955	76,460,645	18,887,458	91,892,984	14,820,000	251,620,042	13,667,682	265,287,724
Louisiana	15,656,799	69,020,192	38,371,088	54,373,862	5,717,601	183,139,542	2,455,926	185,595,468
Ohio	20,360,075	50,410,627	6,131,135	13,680,825	28,337,753	118,920,415	34,277,723	153,198,138
Pennsylvania	14,488,741	27,200,517	22,567,063	0	2,538,168	66,794,489	52,323,312	119,117,801
Illinois	16,608,791	51,208,818	5,107,498	771	23,867,289	96,793,167	17,769,212	114,562,379
Indiana	20,983,805	43,772,042	2,433,908	1,174,432	8,207,365	76,571,552	36,354,593	112,926,145
Tennessee	15,990,438	69,355,142	1,641,571	2,256,427	5,656,656	94,900,234	11,741,109	106,641,343
Alabama	14,704,977	64,471,791	3,508,225	10	7,368,171	90,053,174	13,142,857	103,196,031
North Carolina	11,325,450	50,026,069	6,114,239	0	18,687,083	86,152,841	7,619,390	93,772,231
Michigan	9,635,357	39,664,589	921,662	6,617,818	3,652,800	60,492,226	33,162,751	93,654,977
Utah	2,175,988	66,837,756	37,606	0	12,426,505	81,477,855	5,227,155	86,705,010
Florida	6,563,419	24,353,937	762,455	23,122,868	21,414,721	76,217,400	10,191,706	86,409,106
Georgia	7,445,853	39,904,740	6,880,133	0	2,437,276	56,668,002	5,199,571	61,867,573
Missouri	8,509,705	27,352,988	3,001,955	0	17,070,211	55,934,859	4,354,539	60,289,398
Virginia	10,556,217	40,174,357	4,741,662	10	1,068,761	56,541,007	2,108,173	58,649,180
Mississippi	10,086,037	30,536,922	9,284,265	83,315	5,667,783	55,658,322	2,443,616	58,101,938
South Carolina	8,290,398	38,492,842	2,189,162	0	789,585	49,761,987	7,952,449	57,714,436
California	13,526,364	22,895,129	4,743,171	752,529	1,702,365	43,619,558	8,534,058	52,153,616
Kentucky	8,112,820	29,809,723	1,467,936	0	1,942,880	41,333,359	8,326,029	49,659,388
Wisconsin	4,701,641	22,156,681	2,761,514	0	435,454	30,055,290	18,483,620	48,538,910
Montana	882,327	3,123,053	91,808	0	44,362,523	48,459,711	34,193	48,493,904
Arizona	6,035,588	3,061,083	4,828	5	37,802,168	46,903,672	541,837	47,445,509
New Mexico	702,574	1,277,800	16,419	0	42,277,732	44,274,525	72,986	44,347,511
Arkansas	7,560,215	20,770,106	1,402,134	1,750,002	1,182,299	32,664,756	7,121,779	39,786,535
New York	6,093,004	20,544,872	4,018,854	512	1,122,371	31,779,613	5,496,062	37,275,675
Iowa	5,594,003	22,547,239	2,753,194	0	1,548,778	32,443,214	1,835,431	34,278,645
Washington	4,802,732	18,573,601	2,597,651	0	139,882	26,113,866	2,839,275	28,953,141
West Virginia	4,261,770	12,339,170	8,336,700	0	521,958	25,459,598	3,461,118	28,920,716
Oregon	4,526,271	13,297,054	2,620,450	0	2,460,821	22,904,596	5,883,701	28,788,297
Kansas	5,675,569	14,629,289	411,678	1,049,098	941,276	22,706,910	3,932,124	26,639,034
Oklahoma	5,062,981	16,226,989	567,182	1,009,656	131,453	22,998,261	3,525,167	26,523,428
Minnesota	3,251,429	16,366,793	322,713	0	82,927	20,023,862	2,076,958	22,100,820
New Jersey	3,874,934	6,179,832	5,004,911	4	770,314	15,829,995	3,597,327	19,427,322
Idaho	1,604,857	3,188,263	1,039,748	0	9,329,121	15,161,989	102,028	15,264,017
Maryland	1,697,438	6,879,311	1,845,508	0	1,920,064	12,342,321	939,446	13,281,767
Nebraska	2,528,479	5,670,785	319,530	0	568,617	9,087,411	3,871,465	12,958,876
Wyoming	949,964	2,171,508	9,406	6,438,555	189,414	9,758,847	31,277	9,790,124
Maine	1,057,853	6,341,001	593,680	0	192,913	8,185,447	1,401,102	9,586,549
Puerto Rico	3,787,908	4,368,497	225,787	0	7,595	8,389,787	625,073	9,014,860
Connecticut	2,527,719	4,179,433	694,202	0	59,261	7,460,615	1,319,960	8,780,575
Massachusetts	2,487,254	4,297,865	81,830	0	15,944	6,882,893	1,226,682	8,109,575
Alaska	444,665	5,433,523	1,024,160	420	6,015	6,908,783	0	6,908,783
Colorado	1,117,612	2,423,823	975,045	0	103,774	4,620,254	653,554	5,273,808
Nevada	328,799	1,045,670	0	0	2,334,264	3,708,733	78,827	3,787,560
Delaware	694,508	2,633,596	226,013	0	26,495	3,580,612	182,250	3,762,862
South Dakota	524,851	1,167,994	1,900,182	0	1,008	3,594,035	136,882	3,730,917
New Hampshire	463,653	1,827,967	104,898	0	188,345	2,584,863	343,619	2,928,482
Rhode Island	929,228	1,065,904	8,748	0	10,538	2,014,418	350,126	2,364,544
North Dakota	398,199	1,605,732	317,633	0	758	2,322,322	3,490	2,325,812
Virgin Islands	961,406	506,479	31,720	0	6,526	1,506,131	12	1,506,143
Hawaii	318,432	178,076	3,265	33,209	3,290	536,272	3,995	540,267
Vermont	100,849	214,258	122,915	0	1,601	439,623	51,383	491,006
American Samoa	10,500	0	0	0	0	10,500	0	10,500
District of Columbia	3,900	10	300	0	5,000	9,210	250	9,460
Guam	0	0	3,000	0	0	3,000	0	3,000
Total	350,543,301	1,108,242,083	179,229,798	204,237,312	332,123,472	2,174,375,966	347,074,850	2,521,450,816

## TRI On-site Releases by State, 1996 (Ordered by Total On-site Releases)

State	On-site Releases					
	Fugitive or Nonpoint Air Emissions	Stack or Point Air Emissions	Surface Water Discharges	Underground Injection	Releases to Land	Total On-site Releases
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Texas	49,558,955	76,460,645	18,887,458	91,892,984	14,820,000	251,620,042
Louisiana	15,656,799	69,020,192	38,371,088	54,373,862	5,717,601	183,139,542
Ohio	20,360,075	50,410,627	6,131,135	13,680,825	28,337,753	118,920,415
Illinois	16,608,791	51,208,818	5,107,498	771	23,867,289	96,793,167
Tennessee	15,990,438	69,355,142	1,641,571	2,256,427	5,656,656	94,900,234
Alabama	14,704,977	64,471,791	3,508,225	10	7,368,171	90,053,174
North Carolina	11,325,450	50,026,069	6,114,239	0	18,687,083	86,152,841
Utah	2,175,988	66,837,756	37,606	0	12,426,505	81,477,855
Indiana	20,983,805	43,772,042	2,433,908	1,174,432	8,207,365	76,571,552
Florida	6,563,419	24,353,937	762,455	23,122,868	21,414,721	76,217,400
Pennsylvania	14,488,741	27,200,517	22,567,063	0	2,538,168	66,794,489
Michigan	9,635,357	39,664,589	921,662	6,617,818	3,652,800	60,492,226
Georgia	7,445,853	39,904,740	6,880,133	0	2,437,276	56,668,002
Virginia	10,556,217	40,174,357	4,741,662	10	1,068,761	56,541,007
Missouri	8,509,705	27,352,988	3,001,955	0	17,070,211	55,934,859
Mississippi	10,086,037	30,536,922	9,284,265	83,315	5,667,783	55,658,322
South Carolina	8,290,398	38,492,842	2,189,162	0	789,585	49,761,987
Montana	882,327	3,123,053	91,808	0	44,362,523	48,459,711
Arizona	6,035,588	3,061,083	4,828	5	37,802,168	46,903,672
New Mexico	702,574	1,277,800	16,419	0	42,277,732	44,274,525
California	13,526,364	22,895,129	4,743,171	752,529	1,702,365	43,619,558
Kentucky	8,112,820	29,809,723	1,467,936	0	1,942,880	41,333,359
Arkansas	7,560,215	20,770,106	1,402,134	1,750,002	1,182,299	32,664,756
Iowa	5,594,003	22,547,239	2,753,194	0	1,548,778	32,443,214
New York	6,093,004	20,544,872	4,018,854	512	1,122,371	31,779,613
Wisconsin	4,701,641	22,156,681	2,761,514	0	435,454	30,055,290
Washington	4,802,732	18,573,601	2,597,651	0	139,882	26,113,866
West Virginia	4,261,770	12,339,170	8,336,700	0	521,958	25,459,598
Oklahoma	5,062,981	16,226,989	567,182	1,009,656	131,453	22,998,261
Oregon	4,526,271	13,297,054	2,620,450	0	2,460,821	22,904,596
Kansas	5,675,569	14,629,289	411,678	1,049,098	941,276	22,706,910
Minnesota	3,251,429	16,366,793	322,713	0	82,927	20,023,862
New Jersey	3,874,934	6,179,832	5,004,911	4	770,314	15,829,995
Idaho	1,604,857	3,188,263	1,039,748	0	9,329,121	15,161,989
Maryland	1,697,438	6,879,311	1,845,508	0	1,920,064	12,342,321
Wyoming	949,964	2,171,508	9,406	6,438,555	189,414	9,758,847
Nebraska	2,528,479	5,670,785	319,530	0	568,617	9,087,411
Puerto Rico	3,787,908	4,368,497	225,787	0	7,595	8,389,787
Maine	1,057,853	6,341,001	593,680	0	192,913	8,185,447
Connecticut	2,527,719	4,179,433	694,202	0	59,261	7,460,615
Alaska	444,665	5,433,523	1,024,160	420	6,015	6,908,783
Massachusetts	2,487,254	4,297,865	81,830	0	15,944	6,882,893
Colorado	1,117,612	2,423,823	975,045	0	103,774	4,620,254
Nevada	328,799	1,045,670	0	0	2,334,264	3,708,733
South Dakota	524,851	1,167,994	1,900,182	0	1,008	3,594,035
Delaware	694,508	2,633,596	226,013	0	26,495	3,580,612
New Hampshire	463,653	1,827,967	104,898	0	188,345	2,584,863
North Dakota	398,199	1,605,732	317,633	0	758	2,322,322
Rhode Island	929,228	1,065,904	8,748	0	10,538	2,014,418
Virgin Islands	961,406	506,479	31,720	0	6,526	1,506,131
Hawaii	318,432	178,076	3,265	33,209	3,290	536,272
Vermont	100,849	214,258	122,915	0	1,601	439,623
American Samoa	10,500	0	0	0	0	10,500
District of Columbia	3,900	10	300	0	5,000	9,210
Guam	0	0	3,000	0	0	3,000
Total	350,543,301	1,108,242,083	179,229,798	204,237,312	332,123,472	2,174,375,966

## TRI Releases Within the State, 1996 (Ordered by Total Releases Within the State)

State	On-site Releases						Off-site Releases		Total Releases Within the State
	Fugitive or Nonpoint Air Emissions	Stack or Point Air Emissions	Surface Water Discharges	Underground Injection	Releases to Land	Total On-site Releases	(Transfers Off-site to Disposal)		
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Transferred Into State	Transferred Within State	
Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Texas	49,558,955	76,460,645	18,887,458	91,892,984	14,820,000	251,620,042	1,477,079	10,421,720	263,518,841
Louisiana	15,656,799	69,020,192	38,371,088	54,373,862	5,717,601	183,139,542	1,790,601	1,493,812	186,423,955
Ohio	20,360,075	50,410,627	6,131,135	13,680,825	28,337,753	118,920,415	34,157,439	28,395,522	181,473,376
Illinois	16,608,791	51,208,818	5,107,498	771	23,867,289	96,793,167	7,646,359	14,688,651	119,128,177
Pennsylvania	14,488,741	27,200,517	22,567,063	0	2,538,168	66,794,489	3,728,833	41,884,376	112,407,698
Indiana	20,983,805	43,772,042	2,433,908	1,174,432	8,207,365	76,571,552	4,155,269	31,208,514	111,935,335
Tennessee	15,990,438	69,355,142	1,641,571	2,256,427	5,656,656	94,900,234	1,365,938	5,581,516	101,847,688
Alabama	14,704,977	64,471,791	3,508,225	10	7,368,171	90,053,174	2,081,007	6,949,644	99,083,825
Michigan	9,635,357	39,664,589	921,662	6,617,818	3,652,800	60,492,226	6,328,151	32,019,337	98,839,714
North Carolina	11,325,450	50,026,069	6,114,239	0	18,687,083	86,152,841	343,791	3,466,760	89,963,392
Utah	2,175,988	66,837,756	37,606	0	12,426,505	81,477,855	2,903,134	917,797	85,298,786
Florida	6,563,419	24,353,937	762,455	23,122,868	21,414,721	76,217,400	82,427	1,556,990	77,856,817
South Carolina	8,290,398	38,492,842	2,189,162	0	789,585	49,761,987	7,059,387	3,830,614	60,651,988
Georgia	7,445,853	39,904,740	6,880,133	0	2,437,276	56,668,002	218,306	1,584,526	58,470,834
Missouri	8,509,705	27,352,988	3,001,955	0	17,070,211	55,934,859	562,806	1,955,305	58,452,970
Virginia	10,556,217	40,174,357	4,741,662	10	1,068,761	56,541,007	16,686	1,552,794	58,110,487
Mississippi	10,086,037	30,536,922	9,284,265	83,315	5,667,783	55,658,322	83,007	523,525	56,264,854
Montana	882,327	3,123,053	91,808	0	44,362,523	48,459,711	785,563	514	49,245,788
Wisconsin	4,701,641	22,156,681	2,761,514	0	435,454	30,055,290	1,193,406	17,154,529	48,403,225
Arizona	6,035,588	3,061,083	4,828	5	37,802,168	46,903,672	343,393	452,036	47,699,101
California	13,526,364	22,895,129	4,743,171	752,529	1,702,365	43,619,558	100,318	3,530,632	47,250,508
Kentucky	8,112,820	29,809,723	1,467,936	0	1,942,880	41,333,359	1,527,188	2,084,793	44,945,340
New Mexico	702,574	1,277,800	16,419	0	42,277,732	44,274,525	787	56,310	44,331,622
New York	6,093,004	20,544,872	4,018,854	512	1,122,371	31,779,613	5,142,960	3,203,140	40,125,713
Arkansas	7,560,215	20,770,106	1,402,134	1,750,002	1,182,299	32,664,756	259,122	1,367,983	34,291,861
Iowa	5,594,003	22,547,239	2,753,194	0	1,548,778	32,443,214	83,353	516,089	33,042,656
Oklahoma	5,062,981	16,226,989	567,182	1,009,656	131,453	22,998,261	4,080,641	1,792,193	28,871,095
Washington	4,802,732	18,573,601	2,597,651	0	139,882	26,113,866	75,999	1,301,322	27,491,187
West Virginia	4,261,770	12,339,170	8,336,700	0	521,958	25,459,598	52,435	1,795,980	27,308,013
Idaho	1,604,857	3,188,263	1,039,748	0	9,329,121	15,161,989	11,882,983	64,581	27,109,553
Kansas	5,675,569	14,629,289	411,678	1,049,098	941,276	22,706,910	197,651	3,338,256	26,242,817
Oregon	4,526,271	13,297,054	2,620,450	0	2,460,821	22,904,596	1,486,378	739,973	25,130,947
Minnesota	3,251,429	16,366,793	322,713	0	82,927	20,023,862	32,662	952,361	21,008,885
New Jersey	3,874,934	6,179,832	5,004,911	4	770,314	15,829,995	543,964	798,084	17,172,043
Maryland	1,697,438	6,879,311	1,845,508	0	1,920,064	12,342,321	548,888	290,973	13,182,182
Nebraska	2,528,479	5,670,785	319,530	0	568,617	9,087,411	26,029	843,678	9,957,118
Wyoming	949,964	2,171,508	9,406	6,438,555	189,414	9,758,847	0	7,995	9,766,842
Maine	1,057,853	6,341,001	593,680	0	192,913	8,185,447	10,077	1,095,748	9,291,272
Puerto Rico	3,787,908	4,368,497	225,787	0	7,595	8,389,787	40	400,236	8,790,063
Connecticut	2,527,719	4,179,433	694,202	0	59,261	7,460,615	269,840	442,525	8,172,980
Massachusetts	2,487,254	4,297,865	81,830	0	15,944	6,882,893	350,320	609,178	7,842,391
Nevada	328,799	1,045,670	0	0	2,334,264	3,708,733	3,534,056	76,116	7,318,905
Alaska	444,665	5,433,523	1,024,160	420	6,015	6,908,783	0	0	6,908,783
Colorado	1,117,612	2,423,823	975,045	0	103,774	4,620,254	1,592,145	381,928	6,594,327
South Dakota	524,851	1,167,994	1,900,182	0	1,008	3,594,035	2,311	115,085	3,711,431
Delaware	694,508	2,633,596	226,013	0	26,495	3,580,612	21,036	76,570	3,678,218
North Dakota	398,199	1,605,732	317,633	0	758	2,322,322	1,066,801	2,332	3,391,455
New Hampshire	463,653	1,827,967	104,898	0	188,345	2,584,863	211,732	71,089	2,867,684
Rhode Island	929,228	1,065,904	8,748	0	10,538	2,014,418	192,590	87,099	2,294,107
Virgin Islands	961,406	506,479	31,720	0	6,526	1,506,131	0	0	1,506,131
Hawaii	318,432	178,076	3,265	33,209	3,290	536,272	0	3,986	540,258
Vermont	100,849	214,258	122,915	0	1,601	439,623	742	3,775	444,140
District of Columbia	3,900	10	300	0	5,000	9,210	11,351	0	20,561
American Samoa	10,500	0	0	0	0	10,500	0	0	10,500
Guam	0	0	3,000	0	0	3,000	0	0	3,000
Other*	0	0	0	0	0	0	5,759,377	0	5,759,377
Total	350,543,301	1,108,242,083	179,229,798	204,237,312	332,123,472	2,174,375,966	115,386,358	231,688,492	2,521,450,816

\* "Other" includes waste sent to other countries, to sites not identified by the reporting facility and transfers to POTWs in more than one state.

## TRI On-site and Off-site Releases, 1995 (Ordered by Total Releases)

State	On-site Releases						Off-site Releases	Total On-and Off-site Releases
	Fugitive or Nonpoint Air Emissions	Stack or Point Air Emissions	Surface Water Discharges	Underground Injection	Releases to Land	Total On-site Releases	Transfers Off-site to Disposal	
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	
Texas	55,628,208	79,533,890	22,904,915	118,847,176	12,791,398	289,705,587	14,628,032	304,333,619
Louisiana	16,160,916	69,064,311	29,774,078	55,402,425	4,777,718	175,179,448	2,531,193	177,710,641
Ohio	20,080,168	54,602,066	5,746,426	14,469,718	30,217,291	125,115,669	32,168,956	157,284,625
Pennsylvania	18,123,484	29,698,842	20,395,100	0	1,484,600	69,702,026	58,715,858	128,417,884
Illinois	17,013,246	54,714,520	5,943,832	365	23,037,741	100,709,704	17,865,686	118,575,390
Indiana	24,898,095	48,449,530	4,179,455	874,903	7,004,942	85,406,925	29,865,998	115,272,923
Alabama	14,707,339	76,436,363	3,566,379	16	7,317,321	102,027,418	12,779,650	114,807,068
Tennessee	20,229,426	75,371,697	1,536,800	1,174,570	5,546,368	103,858,861	6,946,419	110,805,280
Michigan	11,938,702	44,903,110	789,313	9,556,827	3,996,410	71,184,362	30,933,957	102,118,319
North Carolina	13,132,902	54,391,248	6,426,526	0	17,749,536	91,700,212	3,883,313	95,583,525
Florida	8,630,540	24,288,740	847,124	18,748,589	25,793,858	78,308,851	3,165,204	81,474,055
Utah	2,698,304	66,507,662	22,863	0	8,532,368	77,761,197	881,637	78,642,834
Missouri	10,815,481	28,544,010	3,264,003	0	14,586,318	57,209,812	3,926,698	61,136,510
Mississippi	12,353,616	32,540,583	9,966,950	133,240	4,249,738	59,244,127	1,831,750	61,075,877
Georgia	7,417,990	40,924,577	6,602,654	0	1,572,312	56,517,533	4,336,528	60,854,061
Virginia	11,095,105	39,510,444	5,631,870	0	1,184,930	57,422,349	2,376,969	59,799,318
South Carolina	10,793,697	41,591,434	1,764,316	0	758,434	54,907,881	4,409,525	59,317,406
California	16,615,912	23,527,261	2,994,600	489,974	2,891,701	46,519,448	10,013,707	56,533,155
Kentucky	9,042,771	31,862,521	436,564	0	801,882	42,143,738	6,275,027	48,418,765
New Mexico	721,196	1,092,375	4,290	0	43,125,150	44,943,011	89,566	45,032,577
Wisconsin	5,075,608	23,834,546	3,611,525	5	418,558	32,940,242	11,473,502	44,413,744
Montana	1,199,947	3,174,648	96,659	0	39,420,586	43,891,840	39,203	43,931,043
New York	8,123,856	22,130,304	5,783,652	5	1,196,489	37,234,306	5,621,826	42,856,132
Arizona	2,750,825	3,422,258	4,829	14	33,677,402	39,855,328	540,975	40,396,303
Arkansas	7,767,582	22,464,090	920,314	2,637,068	1,337,124	35,126,178	2,654,336	37,780,514
Iowa	5,886,395	24,511,472	3,783,543	0	1,381,076	35,562,486	2,161,422	37,723,908
West Virginia	5,289,423	13,859,545	8,961,000	1,000	315,339	28,426,307	3,719,006	32,145,313
Oklahoma	5,050,633	18,666,168	692,971	1,356,438	666,180	26,432,390	3,588,057	30,020,447
Washington	4,358,550	20,278,446	2,862,014	0	137,405	27,636,415	1,897,470	29,533,885
Kansas	5,042,398	14,395,929	431,126	1,674,129	1,303,176	22,846,758	6,135,895	28,982,653
Oregon	4,303,640	14,606,311	2,806,466	0	1,647,453	23,363,870	5,161,326	28,525,196
Minnesota	3,863,769	18,114,949	375,790	1	525,391	22,879,900	1,679,373	24,559,273
New Jersey	5,360,278	7,106,730	2,600,670	5	730,990	15,798,673	3,481,749	19,280,422
Maryland	2,280,726	6,627,975	1,805,412	0	2,577,678	13,291,791	4,977,722	18,269,513
Nebraska	2,690,768	7,577,432	321,354	0	663,743	11,253,297	3,893,304	15,146,601
Idaho	868,108	3,813,720	856,996	0	8,561,664	14,100,488	42,485	14,142,973
Connecticut	2,794,423	4,991,804	1,780,747	0	95,110	9,662,084	1,930,673	11,592,757
Maine	1,169,392	7,572,071	589,531	0	307,365	9,638,359	1,743,911	11,382,270
Wyoming	970,347	1,946,577	8,984	8,197,366	223,367	11,346,641	7,919	11,354,560
Massachusetts	2,998,323	5,336,376	116,200	0	32,224	8,483,123	1,670,489	10,153,612
Puerto Rico	4,361,649	5,212,140	22,262	0	4,456	9,600,507	445,219	10,045,726
Alaska	462,953	4,936,631	950,617	188	483,911	6,834,300	6,030	6,840,330
Colorado	1,271,728	2,917,464	682,651	0	121,314	4,993,157	314,095	5,307,252
Delaware	955,170	3,231,831	286,148	0	14,327	4,487,476	158,257	4,645,733
South Dakota	696,304	1,285,200	2,001,487	0	393	3,983,384	102,654	4,086,038
Nevada	670,057	966,149	0	0	2,209,741	3,845,947	77,070	3,923,017
Rhode Island	1,240,856	1,546,215	48,486	0	40	2,835,597	545,020	3,380,617
North Dakota	471,377	2,061,596	374,864	0	1,275	2,909,112	23,813	2,932,925
New Hampshire	533,566	2,006,341	111,833	0	113,865	2,765,605	144,945	2,910,550
Virgin Islands	974,700	479,699	36,392	0	2,461	1,493,252	5	1,493,257
Vermont	208,111	343,642	89,712	0	2,924	644,389	45,858	690,247
Hawaii	265,289	199,273	3,510	24,306	545	492,923	163,769	656,692
District of Columbia	10,200	260	255	0	19,000	29,715	27,255	56,970
American Samoa	5,300	0	0	0	0	5,300	0	5,300
Guam	0	0	3,100	0	0	3,100	0	3,100
Total	392,069,349	1,187,172,976	175,819,158	233,588,328	315,612,588	2,304,262,399	312,100,306	2,616,362,705

## TRI On-site Releases by State, 1995 (Ordered by Total On-site Releases)

State	On-site Releases					
	Fugitive or Nonpoint Air Emissions	Stack or Point Air Emissions	Surface Water Discharges	Underground Injection	Releases to Land	Total On-site Releases
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Texas	55,628,208	79,533,890	22,904,915	118,847,176	12,791,398	289,705,587
Louisiana	16,160,916	69,064,311	29,774,078	55,402,425	4,777,718	175,179,448
Ohio	20,080,168	54,602,066	5,746,426	14,469,718	30,217,291	125,115,669
Tennessee	20,229,426	75,371,697	1,536,800	1,174,570	5,546,368	103,858,861
Alabama	14,707,339	76,436,363	3,566,379	16	7,317,321	102,027,418
Illinois	17,013,246	54,714,520	5,943,832	365	23,037,741	100,709,704
North Carolina	13,132,902	54,391,248	6,426,526	0	17,749,536	91,700,212
Indiana	24,898,095	48,449,530	4,179,455	874,903	7,004,942	85,406,925
Florida	8,630,540	24,288,740	847,124	18,748,589	25,793,858	78,308,851
Utah	2,698,304	66,507,662	22,863	0	8,532,368	77,761,197
Michigan	11,938,702	44,903,110	789,313	9,556,827	3,996,410	71,184,362
Pennsylvania	18,123,484	29,698,842	20,395,100	0	1,484,600	69,702,026
Mississippi	12,353,616	32,540,583	9,966,950	133,240	4,249,738	59,244,127
Virginia	11,095,105	39,510,444	5,631,870	0	1,184,930	57,422,349
Missouri	10,815,481	28,544,010	3,264,003	0	14,586,318	57,209,812
Georgia	7,417,990	40,924,577	6,602,654	0	1,572,312	56,517,533
South Carolina	10,793,697	41,591,434	1,764,316	0	758,434	54,907,881
California	16,615,912	23,527,261	2,994,600	489,974	2,891,701	46,519,448
New Mexico	721,196	1,092,375	4,290	0	43,125,150	44,943,011
Montana	1,199,947	3,174,648	96,659	0	39,420,586	43,891,840
Kentucky	9,042,771	31,862,521	436,564	0	801,882	42,143,738
Arizona	2,750,825	3,422,258	4,829	14	33,677,402	39,855,328
New York	8,123,856	22,130,304	5,783,652	5	1,196,489	37,234,306
Iowa	5,886,395	24,511,472	3,783,543	0	1,381,076	35,562,486
Arkansas	7,767,582	22,464,090	920,314	2,637,068	1,337,124	35,126,178
Wisconsin	5,075,608	23,834,546	3,611,525	5	418,558	32,940,242
West Virginia	5,289,423	13,859,545	8,961,000	1,000	315,339	28,426,307
Washington	4,358,550	20,278,446	2,862,014	0	137,405	27,636,415
Oklahoma	5,050,633	18,666,168	692,971	1,356,438	666,180	26,432,390
Oregon	4,303,640	14,606,311	2,806,466	0	1,647,453	23,363,870
Minnesota	3,863,769	18,114,949	375,790	1	525,391	22,879,900
Kansas	5,042,398	14,395,929	431,126	1,674,129	1,303,176	22,846,758
New Jersey	5,360,278	7,106,730	2,600,670	5	730,990	15,798,673
Idaho	868,108	3,813,720	856,996	0	8,561,664	14,100,488
Maryland	2,280,726	6,627,975	1,805,412	0	2,577,678	13,291,791
Wyoming	970,347	1,946,577	8,984	8,197,366	223,367	11,346,641
Nebraska	2,690,768	7,577,432	321,354	0	663,743	11,253,297
Connecticut	2,794,423	4,991,804	1,780,747	0	95,110	9,662,084
Maine	1,169,392	7,572,071	589,531	0	307,365	9,638,359
Puerto Rico	4,361,649	5,212,140	22,262	0	4,456	9,600,507
Massachusetts	2,998,323	5,336,376	116,200	0	32,224	8,483,123
Alaska	462,953	4,936,631	950,617	188	483,911	6,834,300
Colorado	1,271,728	2,917,464	682,651	0	121,314	4,993,157
Delaware	955,170	3,231,831	286,148	0	14,327	4,487,476
South Dakota	696,304	1,285,200	2,001,487	0	393	3,983,384
Nevada	670,057	966,149	0	0	2,209,741	3,845,947
North Dakota	471,377	2,061,596	374,864	0	1,275	2,909,112
Rhode Island	1,240,856	1,546,215	48,486	0	40	2,835,597
New Hampshire	533,566	2,006,341	111,833	0	113,865	2,765,605
Virgin Islands	974,700	479,699	36,392	0	2,461	1,493,252
Vermont	208,111	343,642	89,712	0	2,924	644,389
Hawaii	265,289	199,273	3,510	24,306	545	492,923
District of Columbia	10,200	260	255	0	19,000	29,715
American Samoa	5,300	0	0	0	0	5,300
Guam	0	0	3,100	0	0	3,100
Total	392,069,349	1,187,172,976	175,819,158	233,588,328	315,612,588	2,304,262,399

## TRI Releases Within the State, 1995 (Ordered by Total Releases Within the State)

State	On-site Releases						Off-site Releases		Total Releases Within the State
	Fugitive or Nonpoint Air Emissions	Stack or Point Air Emissions	Surface Water Discharges	Underground Injection	Releases to Land	Total On-site Releases	(Transfers Off-site to Disposal)		
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Transferred Into State	Transferred Within State	
Texas	55,628,208	79,533,890	22,904,915	118,847,176	12,791,398	289,705,587	1,428,299	10,747,174	301,881,060
Louisiana	16,160,916	69,064,311	29,774,078	55,402,425	4,777,718	175,179,448	2,760,996	1,948,798	179,889,242
Ohio	20,080,168	54,602,066	5,746,426	14,469,718	30,217,291	125,115,669	13,460,592	27,615,208	166,191,469
Illinois	17,013,246	54,714,520	5,943,832	365	23,037,741	100,709,704	6,245,805	16,229,749	123,185,258
Pennsylvania	18,123,484	29,698,842	20,395,100	0	1,484,600	69,702,026	3,991,046	49,230,266	122,923,338
Indiana	24,898,095	48,449,530	4,179,455	874,903	7,004,942	85,406,925	4,033,175	24,241,274	113,681,374
Alabama	14,707,339	76,436,363	3,566,379	16	7,317,321	102,027,418	2,876,017	6,816,328	111,719,763
Tennessee	20,229,426	75,371,697	1,536,800	1,174,570	5,546,368	103,858,861	1,256,225	6,260,163	111,375,249
Michigan	11,938,702	44,903,110	789,313	9,556,827	3,996,410	71,184,362	8,719,778	29,270,746	109,174,886
North Carolina	13,132,902	54,391,248	6,426,526	0	17,749,536	91,700,212	4,628,952	3,062,567	99,391,731
Utah	2,698,304	66,507,662	22,863	0	8,532,368	77,761,197	3,267,203	660,799	81,689,199
Florida	8,630,540	24,288,740	847,124	18,748,589	25,793,858	78,308,851	56,409	2,007,680	80,372,940
Mississippi	12,353,616	32,540,583	9,966,950	133,240	4,249,738	59,244,127	145,880	725,897	60,115,904
Missouri	10,815,481	28,544,010	3,264,003	0	14,586,318	57,209,812	729,252	2,024,226	59,963,290
South Carolina	10,793,697	41,591,434	1,764,316	0	758,434	54,907,881	1,908,148	2,677,377	59,493,406
Virginia	11,095,105	39,510,444	5,631,870	0	1,184,930	57,422,349	14,999	1,926,877	59,364,225
Georgia	7,417,990	40,924,577	6,602,654	0	1,572,312	56,517,533	244,177	1,541,962	58,303,672
California	16,615,912	23,527,261	2,994,600	489,974	2,891,701	46,519,448	482,029	5,552,650	52,554,127
Kentucky	9,042,771	31,862,521	436,564	0	801,882	42,143,738	1,593,031	2,018,629	45,755,398
New Mexico	721,196	1,092,375	4,290	0	43,125,150	44,943,011	8,686	57,574	45,009,271
Montana	1,199,947	3,174,648	96,659	0	39,420,586	43,891,840	917,210	912	44,809,962
Wisconsin	5,075,608	23,834,546	3,611,525	5	418,558	32,940,242	619,746	10,472,315	44,032,303
New York	8,123,856	22,130,304	5,783,652	5	1,196,489	37,234,306	2,237,691	3,145,045	42,617,042
Arizona	2,750,825	3,422,258	4,829	14	33,677,402	39,855,328	78,178	347,902	40,281,408
Iowa	5,886,395	24,511,472	3,783,543	0	1,381,076	35,562,486	45,649	1,257,269	36,865,404
Arkansas	7,767,582	22,464,090	920,314	2,637,068	1,337,124	35,126,178	65,678	1,343,980	36,535,836
West Virginia	5,289,423	13,859,545	8,961,000	1,000	315,339	28,426,307	202,669	2,060,378	30,689,354
Oklahoma	5,050,633	18,666,168	692,971	1,356,438	666,180	26,432,390	2,705,654	1,506,698	30,644,742
Kansas	5,042,398	14,395,929	431,126	1,674,129	1,303,176	22,846,758	143,662	5,885,847	28,876,267
Washington	4,358,550	20,278,446	2,862,014	0	137,405	27,636,415	58,319	530,788	28,225,522
Oregon	4,303,640	14,606,311	2,806,466	0	1,647,453	23,363,870	1,235,791	2,900,316	27,499,977
Minnesota	3,863,769	18,114,949	375,790	1	525,391	22,879,900	44,094	1,223,598	24,147,592
New Jersey	5,360,278	7,106,730	2,600,670	5	730,990	15,798,673	1,402,717	973,831	18,175,221
Idaho	868,108	3,813,720	856,996	0	8,561,664	14,100,488	3,097,402	29,832	17,227,722
Maryland	2,280,726	6,627,975	1,805,412	0	2,577,678	13,291,791	802,302	256,163	14,350,256
Nebraska	2,690,768	7,577,432	321,354	0	663,743	11,253,297	43,159	734,680	12,031,136
Wyoming	970,347	1,946,577	8,984	8,197,366	223,367	11,346,641	0	5,733	11,352,374
Connecticut	2,794,423	4,991,804	1,780,747	0	95,110	9,662,084	329,163	1,086,624	11,077,871
Maine	1,169,392	7,572,071	589,531	0	307,365	9,638,359	417	1,295,673	10,934,449
Massachusetts	2,998,323	5,336,376	116,200	0	32,224	8,483,123	461,240	934,254	9,878,617
Puerto Rico	4,361,649	5,212,140	22,262	0	4,456	9,600,507	5	185,916	9,786,428
Colorado	1,271,728	2,917,464	682,651	0	121,314	4,993,157	1,970,910	244,605	7,208,672
Alaska	462,953	4,936,631	950,617	188	483,911	6,834,300	0	6,015	6,840,315
Nevada	670,057	966,149	0	0	2,209,741	3,845,947	2,889,681	76,612	6,812,240
Delaware	955,170	3,231,831	286,148	0	14,327	4,487,476	8,607	108,978	4,605,061
South Dakota	696,304	1,285,200	2,001,487	0	393	3,983,384	0	101,547	4,084,931
North Dakota	471,377	2,061,596	374,864	0	1,275	2,909,112	951,826	23,057	3,883,995
Rhode Island	1,240,856	1,546,215	48,486	0	40	2,835,597	205,802	118,100	3,159,499
New Hampshire	533,566	2,006,341	111,833	0	113,865	2,765,605	240,362	22,036	3,028,003
Virgin Islands	974,700	479,699	36,392	0	2,461	1,493,252	0	0	1,493,252
Vermont	208,111	343,642	89,712	0	2,924	644,389	0	3,321	647,710
Hawaii	265,289	199,273	3,510	24,306	545	492,923	1,030	2,007	495,960
District of Columbia	10,200	260	255	0	19,000	29,715	1,555	5	31,275
American Samoa	5,300	0	0	0	0	5,300	0	0	5,300
Guam	0	0	3,100	0	0	3,100	0	0	3,100
Other*	0	0	0	0	0	0	1,988,687	0	1,988,687
Total	392,069,349	1,187,172,976	175,819,158	233,588,328	315,612,588	2,304,262,399	80,599,905	231,499,981	2,616,362,288

\* "Other" includes waste sent to other countries, to sites not identified by the reporting facility and transfers to POTWs in more than one state.

**TRI On-site and Off-site Releases, 1995-1997**  
**(Ordered by Total Releases, 1997)**

State	Total On-site and Off-site Releases		
	1995	1996	1997
	Pounds	Pounds	Pounds
Texas	304,333,619	265,287,724	261,709,979
Louisiana	177,710,641	185,595,468	186,038,253
Ohio	157,284,625	153,198,138	158,675,833
Pennsylvania	128,417,884	119,117,801	143,243,520
Illinois	118,575,390	114,562,379	127,601,051
Indiana	115,272,923	112,926,145	122,548,030
Tennessee	110,805,280	106,641,343	106,881,877
Utah	78,642,834	86,705,010	103,717,225
Florida	81,474,055	86,409,106	95,418,721
Alabama	114,807,068	103,196,031	94,671,279
Michigan	102,118,319	93,654,977	85,281,920
North Carolina	95,583,525	93,772,231	85,066,946
Georgia	60,854,061	61,867,573	71,881,510
Mississippi	61,075,877	58,101,938	66,166,071
Missouri	61,136,510	60,289,398	62,823,986
Arkansas	37,780,514	39,786,535	59,722,263
South Carolina	59,317,406	57,714,436	58,444,739
Virginia	59,799,318	58,649,180	57,928,069
Wisconsin	44,413,744	48,538,910	50,559,397
Kentucky	48,418,765	49,659,388	47,301,191
California	56,533,155	52,153,616	45,150,612
Montana	43,931,043	48,493,904	43,352,385
New York	42,856,132	37,275,675	38,585,647
Iowa	37,723,908	34,278,645	34,196,111
New Mexico	45,032,577	44,347,511	34,171,001
Washington	29,533,885	28,953,141	31,830,466
Arizona	40,396,303	47,445,509	31,418,499
Oregon	28,525,196	28,788,297	30,931,561
Kansas	28,982,653	26,639,034	26,732,216
Oklahoma	30,020,447	26,523,428	24,798,930
West Virginia	32,145,313	28,920,716	24,770,942
New Jersey	19,280,422	19,427,322	20,767,437
Minnesota	24,559,273	22,100,820	20,166,465
Nebraska	15,146,601	12,958,876	17,977,975
Idaho	14,142,973	15,264,017	17,748,578
Maryland	18,269,513	13,281,767	13,699,344
Maine	11,382,270	9,586,549	9,769,983
Connecticut	11,592,757	8,780,575	9,669,680
Wyoming	11,354,560	9,790,124	9,357,158
Puerto Rico	10,045,726	9,014,860	7,944,176
Massachusetts	10,153,612	8,109,575	7,053,410
Colorado	5,307,252	5,273,808	5,147,561
Alaska	6,840,330	6,908,783	4,617,154
Nevada	3,923,017	3,787,560	4,435,113
South Dakota	4,086,038	3,730,917	4,216,583
Delaware	4,645,733	3,762,862	3,506,833
New Hampshire	2,910,550	2,928,482	2,786,933
North Dakota	2,932,925	2,325,812	2,422,425
Rhode Island	3,380,617	2,364,544	2,178,884
Virgin Islands	1,493,257	1,506,143	1,428,697
Vermont	690,247	491,006	566,695
Hawaii	656,692	540,267	452,405
American Samoa	5,300	10,500	12,750
District of Columbia	56,970	9,460	6,615
Guam	3,100	3,000	0
Total	2,616,362,705	2,521,450,816	2,577,553,084

**TRI On-site Releases by State, 1995-1997  
(Ordered by Total On-site Releases in 1997)**

State	Total On-site Releases		
	1995	1996	1997
	Pounds	Pounds	Pounds
Texas	289,705,587	251,620,042	240,348,142
Louisiana	175,179,448	183,139,542	183,777,629
Ohio	125,115,669	118,920,415	113,127,277
Tennessee	103,858,861	94,900,234	97,955,094
Illinois	100,709,704	96,793,167	94,567,818
Utah	77,761,197	81,477,855	93,926,091
Florida	78,308,851	76,217,400	88,165,239
Pennsylvania	69,702,026	66,794,489	79,944,589
Indiana	85,406,925	76,571,552	77,939,169
Alabama	102,027,418	90,053,174	77,585,917
North Carolina	91,700,212	86,152,841	77,125,436
Mississippi	59,244,127	55,658,322	64,639,656
Georgia	56,517,533	56,668,002	58,546,961
Missouri	57,209,812	55,934,859	57,291,332
Michigan	71,184,362	60,492,226	53,067,487
Virginia	57,422,349	56,541,007	52,379,816
South Carolina	54,907,881	49,761,987	49,085,719
Montana	43,891,840	48,459,711	42,131,345
Kentucky	42,143,738	41,333,359	38,745,704
California	46,519,448	43,619,558	37,055,551
New Mexico	44,943,011	44,274,525	34,087,469
Arkansas	35,126,178	32,664,756	32,379,942
Arizona	39,855,328	46,903,672	30,984,428
Wisconsin	32,940,242	30,055,290	30,135,032
New York	37,234,306	31,779,613	29,940,067
Iowa	35,562,486	32,443,214	29,040,867
Washington	27,636,415	26,113,866	24,434,377
Oregon	23,363,870	22,904,596	24,339,679
Kansas	22,846,758	22,706,910	22,723,658
Oklahoma	26,432,390	22,998,261	21,620,717
West Virginia	28,426,307	25,459,598	20,823,250
Minnesota	22,879,900	20,023,862	17,598,614
Idaho	14,100,488	15,161,989	17,490,808
New Jersey	15,798,673	15,829,995	16,158,940
Maryland	13,291,791	12,342,321	12,516,769
Wyoming	11,346,641	9,758,847	9,349,356
Nebraska	11,253,297	9,087,411	8,486,106
Maine	9,638,359	8,185,447	7,962,190
Puerto Rico	9,600,507	8,389,787	7,176,391
Connecticut	9,662,084	7,460,615	6,151,663
Massachusetts	8,483,123	6,882,893	5,717,563
Alaska	6,834,300	6,908,783	4,615,647
Colorado	4,993,157	4,620,254	4,507,112
Nevada	3,845,947	3,708,733	4,419,227
South Dakota	3,983,384	3,594,035	4,094,744
Delaware	4,487,476	3,580,612	3,319,493
New Hampshire	2,765,605	2,584,863	2,514,137
North Dakota	2,909,112	2,322,322	2,389,140
Rhode Island	2,835,597	2,014,418	1,773,616
Virgin Islands	1,493,252	1,506,131	1,428,589
Hawaii	492,923	536,272	444,040
Vermont	644,389	439,623	405,287
American Samoa	5,300	10,500	12,750
District of Columbia	29,715	9,210	6,615
Guam	3,100	3,000	0
Total	2,304,262,399	2,174,375,966	2,116,454,255



**TRI Releases Within the State, 1995-1997**  
**(Ordered by Total Releases Within the State, 1997)**

State	Total Releases Within the State		
	1995	1996	1997
	Pounds	Pounds	Pounds
Texas	301,881,060	263,518,841	258,326,051
Ohio	166,191,469	181,473,376	213,002,857
Louisiana	179,889,242	186,423,955	189,413,085
Illinois	123,185,258	119,128,177	134,263,813
Pennsylvania	122,923,338	112,407,698	133,033,132
Indiana	113,681,374	111,935,335	119,881,725
Tennessee	111,375,249	101,847,688	103,657,889
Michigan	109,174,886	98,839,714	97,423,607
Utah	81,689,199	85,298,786	97,408,411
Florida	80,372,940	77,856,817	90,083,400
Alabama	111,719,763	99,083,825	89,322,711
North Carolina	99,391,731	89,963,392	81,053,645
Mississippi	60,115,904	56,264,854	65,446,503
Missouri	59,963,290	58,452,970	60,972,976
Georgia	58,303,672	58,470,834	60,881,263
South Carolina	59,493,406	60,651,988	59,315,734
Virginia	59,364,225	58,110,487	55,395,443
Wisconsin	44,032,303	48,403,225	50,565,472
Kentucky	45,755,398	44,945,340	44,676,453
Montana	44,809,962	49,245,788	43,747,510
Idaho	17,227,722	27,109,553	43,534,997
California	52,554,127	47,250,508	40,199,014
New York	42,617,042	40,125,713	39,211,902
Arkansas	36,535,836	34,291,861	34,332,906
New Mexico	45,009,271	44,331,622	34,162,963
Arizona	40,281,408	47,699,101	31,627,992
Oklahoma	30,644,742	28,871,095	30,199,406
Iowa	36,865,404	33,042,656	30,056,490
Kansas	28,876,267	26,242,817	29,471,769
Oregon	27,499,977	25,130,947	27,536,585
Washington	28,225,522	27,491,187	25,671,920
West Virginia	30,689,354	27,308,013	23,246,787
New Jersey	18,175,221	17,172,043	19,082,737
Minnesota	24,147,592	21,008,885	18,651,945
Maryland	14,350,256	13,182,182	13,305,703
Nebraska	12,031,136	9,957,118	9,515,819
Wyoming	11,352,374	9,766,842	9,356,085
Maine	10,934,449	9,291,272	9,259,099
Nevada	6,812,240	7,318,905	8,296,816
Puerto Rico	9,786,428	8,790,063	7,773,849
Connecticut	11,077,871	8,172,980	7,504,381
Massachusetts	9,878,617	7,842,391	6,645,656
Colorado	7,208,672	6,594,327	5,108,998
Alaska	6,840,315	6,908,783	4,617,147
South Dakota	4,084,931	3,711,431	4,215,325
Delaware	4,605,061	3,678,218	3,385,106
North Dakota	3,883,995	3,391,455	2,887,823
New Hampshire	3,028,003	2,867,684	2,795,390
Rhode Island	3,159,499	2,294,107	2,075,162
Virgin Islands	1,493,252	1,506,131	1,428,589
Hawaii	495,960	540,258	452,405
Vermont	647,710	444,140	412,158
American Samoa	5,300	10,500	12,750
District of Columbia	31,275	20,561	7,189
Guam	3,100	3,000	0
Other*	1,988,687	5,759,377	3,638,541
Total	2,616,362,285	2,521,450,816	2,577,553,084

\* "Other" includes waste sent to other countries, to sites not identified by the reporting facility and transfers to POTWs in more than one state.



## 1997 TOXICS RELEASE INVENTORY

### Status of State TRI Programs

The Toxics Release Inventory (TRI) Project of the Forum on State and Tribal Toxics Action (FOSTTA) conducts an assessment on how states use the Toxics Release Inventory semi-annually. This survey is one measure senior state TRI staff and U.S. EPA staff use to improve the overall effectiveness of the inventory.

The TRI project, with staff assistance from the National Conference of State Legislatures (NCSL), obtains feedback on TRI from the State Emergency Planning and Community Right-to-Know Act (EPCRA) Section 313 Coordinators. This assessment is designed to:

- Give EPA and others information on TRI data use and assistance capabilities for the states.
- Help EPA better respond to requests for TRI data use assistance. With this assessment data, EPA is better able to direct callers to those state agencies that handle state specific requests for information.

Overall, the information from the assessment will enable EPA and the states to understand how TRI is used in the states and territories. With this information, EPA and the states can better serve the public by helping them to more efficiently gain access to, understand and use the TRI.

For the 1998 assessment, NCSL expanded its survey to 52 questions (compared to 31 questions in 1996 and 24 in 1995). Many of the new questions focused on Internet access, asking about state use of EPA World Wide Web resources, and on computerization, asking about state TRI databases, computer systems, and software.

The assessment was conducted in the fall of 1998. Fifty states, the District of Columbia, the Virgin Islands, and Puerto Rico responded. Findings of the 1998 NCSL assessment are summarized below, and responses to the survey appear in a matrix following this section. The 1998 NCSL assessment will be published in March 1999. For further information about the NCSL assessment, contact: George Hagevik, National Conference of State Legislatures, 1500 Broadway, Suite 700, Denver, CO 80202; phone 303-830-2200.

**Public Access to the Data:** Forty-nine states and territories provide copies of facilities' TRI reporting forms to the public upon request. Twenty-six produce an annual state TRI report, and 15 host a TRI-related Web site. Thirty-two will conduct data runs or analysis for the public. The public may obtain copies of EPA TRI documents from 35 states and territories and copies of EPA's state diskette from 17. Fewer states charged for TRI services in 1998: in 1996 and 1995, 40% of the states assessed a charge, while 25% did so in 1998. Groups most likely to contact the states for TRI information were the media, citizens, and public interest groups. State government organizations, industry, and academia were the next most common parties seeking TRI-related information.

**State Use of TRI Data:** More than three-quarters (38 states) of the respondents use TRI data to identify facilities for pollution prevention activities. Other frequent uses were emergency prevention planning (22 respondents), Geographic Information System or other mapping activities (19), and integrating TRI with other databases (19). In the latter category, states may integrate TRI with data from the Biennial Reporting System, Hazardous Chemical Inventory (TIER II) in CAMEO, a Right-to-Know database (with Emergency Planning, Notification, and Chemical Inventory information), or data collected under state Right-to-Know, Pollution Prevention, or Waste Reduction legislation. Other common uses of TRI data include targeting inspections for permit compliance (21) and risk screening or risk analysis (17).



## 1997 TOXICS RELEASE INVENTORY

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**State Access to TRI Information:** New questions in the 1998 NCSL survey found that, although states most often access their own databases, states also obtain TRI-related information from the annual *TRI Public Data Release* publications and from other EPA sources (state diskettes, CD-ROM, TRI System–TRIS, or Envirofacts Web site). Thirty-eight states use EPA's TRI Web site, and 17 obtain reporting software there.

**State Programs Beyond TRI:** Although 44 states have no additional reporting criteria beyond those in TRI, several do collect additional information. Seven states require reporting of plans or goals for toxic use reduction or pollution prevention, and four require facilities in some non-manufacturing industries (not covered by TRI through 1997) to report. Two states require throughput or mass balance data (data on the use and production of each reportable chemical).

**State Priorities:** State TRI program managers most often identified outreach (38 respondents), enforcement/compliance (14), and training (13) among their top three priorities. Other priorities identified included data quality/use/integration (8), pollution prevention (6), and public access information/communication (6).

**Data Collection and Management:** Thirty-seven states accept Form R submissions either on magnetic media or in hard copy. Two states require magnetic media, and 14 accept only hard copy submissions (10 of these plan to accept magnetic media reports in the future). Thirty-three states maintain a computerized state TRI database. Twenty-four states have already made Y2K (Year 2000) modifications in their systems (another 12 respondents did not know if their systems had been modified).

**Outreach and Compliance:** Many states provide outreach assistance to industry. Thirty-five distribute materials, 26 conduct training sessions, and 28 offer technical assistance. As in previous years, 13 states have EPCRA section 313 enforcement authority under state law. Few states (four) conduct inspections of TRI facilities to determine compliance.

**Resources Committed to TRI:** Thirty states have the equivalent of one or more full-time employees assigned to the state TRI program. Thirty-four states fund EPCRA section 313/TRI activities. Fifteen states had funding levels between \$50,000 and \$200,000 in 1997, compared to 17 states funded at that level in 1996. Eleven states provide no funding for the TRI program.



## 1997 TOXICS RELEASE INVENTORY

### **Toxics Release Inventory (TRI) – NCSL Assessment Questions and Response Codes**

**1. Which of the following do you provide to the public?**

- a. Copies of Form Rs
- b. EPA TRI documents
- c. Copies of the EPA state diskette
- d. TRI public reading room
- e. Data runs/analysis
- f. Annual state TRI report
- g. TRI-related World Wide Web page
- h. Reports including "total waste generated" based on section 8 data
- i. Bulletin Board
- j. Other state-produced TRI documents

**2. For which years have or will your state produce an annual TRI report?**

**3. Do you charge the public for your TRI-related services?**

**4. How has your state used TRI information?**

- a. GIS or other mapping activities
- b. Environmental equity/justice projects
- c. Identifying facilities for pollution prevention activities
- d. Emergency prevention planning
- e. Risk screening or risk analysis
- f. Inspection targeting for permit compliance
- g. Developing/revising permit limits
- h. Facility siting/permitting decisions
- i. National Environmental Performance Partnership Systems
- j. Integrating the TRI with another database(s)
- k. Other

**5. In your administration of the TRI program, what are your top three priorities? (e.g., enforcement, outreach to the public, training for industry)**

**6. Please rank in order of frequency which groups contact you for TRI data?**

- a. Media
- b. Industry
- c. State government organizations
- d. Local government organizations
- e. Public interest groups
- f. Academics
- g. Citizens
- h. Others

**7. What means of accessing the TRI data do you use? (Indicate as "often, sometimes, or never")**

- a. EPA's TRI System (TRIS)
- b. National Library of Medicine's TOXNET
- c. EPA's state diskettes
- d. EPA's CD-ROM
- e. State TRI database
- f. RTK-NET
- g. Envirofacts
- h. EPA's annual public data release
- i. Other

**8. If you use the TRIS Envirofacts (Internet) database, what functions do you use?**

- a. Standard Query
- b. Customized Queries
- c. Mapping
- d. Other

**9. If you do not use the TRIS Envirofacts (Internet) database, why don't you use it?**

- a. Don't know where to find it
- b. Don't know how to use the queries
- c. Don't have internet access
- d. Other

**10. Do you use EPA's TRI World Wide Web page? (Address: <http://www.epa.gov/opptintr/tri>)**



## 1997 TOXICS RELEASE INVENTORY

**11. Do you access the Internet home page for automated reporting software?**

**12. If yes, which software version does your state office download ?**

- DOS
- Windows 3.1x
- Windows 95/NT

**13. What additional information or improvements of existing information would be useful on the EPA TRI Web page?**

**14. I rely on US EPA's public data release data analysis:**

- heavily
- a little bit
- not at all

**15. To evaluate mechanisms to communicate with the states, indicate if you have access to the following:**

- a. Internet
- b. U.S. EPA's bulletin boards through a modem

**16. In what form do you accept Form R submissions?**

- Hardcopy Only
- Magnetic Media or Hardcopy
- Magnetic Media Only

**17. If your state accepts electronic TRI submissions on diskettes, please answer the following questions:**

- a. Do you use the UTIL software for creating a master database of submissions received on diskette?
- b. At what point in the TRI reporting cycle does your state need the UTIL software?
- c. Are there any enhancements that would increase the UTIL's usefulness in your TRI operations?
- d. Would you like to be able to download UTIL from the Internet?
- e. What assistance can EPA provide you, concerning your state's user of the UTIL software?
- f. What software system, other than UTIL, does your office use to capture and

store Form R/Form A information from electronic disk submissions?

- state database
- Cameo software
- other

- g. What assistance might EPA provide to increase the compatibility of your software system with the AFT/ATRS software?

**18. If you accept hardcopy reports only, do you plan to accept magnetic media reports in the future? If no, what are the barriers to acceptance of magnetic media reports?**

**19. If offered, would you be interested in participating in a conference call with EPA technical staff to explore approaches for transferring electronic data from diskette to your state database?**

### Computerized TRI

**20. Do you have a state TRI database? (If no, skip to question 22)**

**21. How do you enter TRI data into your state TRI database?**

- a. Enter own data
- b. Download EPA data from TRIS
- c. Enter EPA data from EPA's state diskettes
- d. Access EPA database but do not maintain state database or download data
- e. Other

**22. Do you use the TRI reporting software (Automate Form R (AFR) or Automated TRI Reporting Software (ATRS)? If yes, at what point in the TRI reporting cycle do you need the upcoming version of the AFT/ATRS software?**

**23. If you download TRI data, you need to be aware that EPA's TRIS data structures have been changed to comply with Federal**



## 1997 TOXICS RELEASE INVENTORY

**Y2K (Year 2000) standards. That means that all TRIS “year” data fields have been expanded to contain 4 digits.**

- a. Have your state systems been similarly modified?
  - yes
  - no
  - don’t know
- b. Do you anticipate any problems loading TRIS data into your systems as a result of this structure change?
  - yes
  - no
  - don’t know; need more information

**24. Do you include all data elements from the Form R in your state database? (If yes, then go to question 26)**

**25. Please check which Form R fields you enter into your database:**

- a. Facility name and address
- b. Number of forms sent in by the facility
- c. Names of the chemicals
- d. Release quantities
- e. Transfer quantities
- f. Pollution prevention data
- g. Off-site locations
- h. Other

**26. How soon following the reporting deadline is computerized state TRI information be available? (Report as months.)**

**27. Please indicate the years for which your TRI data is available on your state’s database.**

- |       |                           |
|-------|---------------------------|
| •1987 | •1992                     |
| •1988 | •1993                     |
| •1989 | •1994                     |
| •1990 | •1995                     |
| •1991 | •1996                     |
|       | •1997 (will be available) |

**28. Can the public gain on-line access to your state TRI computer database?**

**29. Do you update your state database to include Form R revisions submitted by facilities?**

**30. If you answered “yes” to question 29, how often do you enter the revisions?**

- Monthly
- Quarterly
- Yearly
- Upon request (noted as “upon req’t”)
- Upon receipt (noted as “upon rec’t”)

**31. Do you compare your state’s EPCRA section 313/TRI data with EPA's TRI data to make sure you both have the same information?**

### **State Compliance and Enforcement Questions**

**32. What community outreach programs do you conduct to explain EPCRA section 313/TRI reporting requirements to industry?**

- a. Training sessions
- b. Site visits
- c. Distribute materials
- d. Technical assistance
- e. Hotline

**33. Does your state have EPCRA section 313 enforcement authority under state law?**

**34. Do you conduct inspections of manufacturing facilities to determine compliance with EPCRA section 313 reporting requirements?**

**35. How many inspections does your state plan to conduct during 1998?**



## 1997 TOXICS RELEASE INVENTORY

**36. What percentages of inspected facilities were found to be in noncompliance or in less than full compliance during this period?**

**37. In enforcement actions, do you use:**

- a. State TRI data
- b. Federal TRI data
- c. Both

**38. How many EPCRA 313 enforcement cases have you issued in the past year, if any?**

### **Program Questions**

**39. How many people are currently working in the state TRI program? (Report as Full-Time Equivalents or FTEs.)**

**40. What is the approximate total funding amount for your state's EPCRA section 313/TRI program? (This includes salaries, grants, contract moneys, etc.)**

- \$0
- \$1 - \$50,000
- \$50,001 - \$100,000
- \$100,001 - \$150,000
- \$150,001 - \$200,000
- over \$200,001

**41. What sources of revenue support your TRI program?**

**42. Although we all would like more funding, do you think that the current level of financial support for your TRI program is adequate to meet the general goal of Community Right-to-Know?**

**43. In addition to the federal EPCRA section 313/TRI reporting criteria, what other criterion does your state mandate?**

- a. None
- b. Additional chemicals
- c. Additional SIC codes

- d. Smaller or no chemical reporting threshold
- e. Lower or no minimum employee threshold
- f. Peak release information
- g. Throughput (mass balance information)
- h. Toxic use reduction/pollution prevention plans or goals\*
- i. Additional reporting elements

\*Are only facilities that file TRI Form Rs required to submit toxic use reduction/pollution prevention plans? (In other words, no other facilities in your state have to send in pollution prevention/toxic use reduction plans except the facilities covered under EPCRA section 313?)

**44. Does your state have requirements, which will mandate facilities to continue to report information, which would have been exempt under the alternative threshold/Form A?**  
**If yes, please explain.**

**45. Are your state's Form R filers required to pay a fee?**

**46. If yes, briefly describe your fee program.**

**47. Please list any revenue mechanisms you are considering pursuing to support your TRI state program.**

**48. Do you feel that you are kept current with EPA information, i.e., do you receive information on a timely basis when changes are made to the reporting requirements under TRI? If no, please offer suggestions to improve communications.**

**49. What kind of PC work station does your office use?**

- IBM Compatible
- Macintosh
- Other



## 1997 TOXICS RELEASE INVENTORY

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### 50. What type of computer processor does your office use?

- 386 or below
- 486
- Pentium
- Network PC

### 51. Which operating system does your office computer have?

- DOS
- Windows 3.1x
- Windows 95
- Windows 98
- Windows NT 3.5
- Windows NT4.0

### 52. To which network is your PC connected

- None
- Microsoft
- Novell
- IBM
- Other

### Notes

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n = No

y = Yes

nr = State did not respond

\* = See state's survey

dk = do not know

na = not applicable



# 1998 State TRI Program Assessment <sup>1</sup>

State	1. What is provided to the public?	2. TRI report: years available	3. Do you charge for TRI services?	4. Uses of TRI information	5. Top three priorities	6. Which groups contact you for TRI data?	7a. EPA's TRIS system	7b. Nat'l Lib. of Medicine's TOXNET
AL	a,b,d,e,f,h	93-96	n	a,c,d,e	training, enforcement, outreach	c,e,g,a,b,f	s	n
AK	b	nr	nr	c	nr	a,e,g	n	n
AZ	a,b,c,d,e,f,g,h,j*	93-97	maybe	c,d,e,f*,j*,k*	outreach, compliance, integration	e,g,a	s	s
AR	a,c	93-94	n	c,g,h	compliance, enforcement, outreach	a,b,d,e,g,c,f	n	n
CA	a,e,g*	nr	n	a,b,c,j	outreach, data access, data integration	e,f,b,a,c,g,d	n	n
CO	a,b,e	nr	n	a,c,f,l	links to p2 activities, working with public	a,b,d,e,g	n	n
CT	a	na	n	nr	nr	g,f,e,a	n	n
DC	responds to req	na	n	b,c,d	development, training, outreach	b,g,c,f,c,d,a	nr	nr
DE	a,b,e,f*,g*,h,j*	94-97	n	a,c,d,f,l,j*,k*	outreach, industry assist, data quality checks	c,g,e,d,a,b,f,h*	n	n
FL	a,e,f*	95-97	n	a,c,e,f	outreach, enforcement, training	e,a,h*,b,g,f,d,c	s	s
GA	d,e,f	93-97	n	c,d,e,j	outreach	b,g	s	n
HI	a,b,c,d,e,f	nr	n	nr	making data available to public on request	a,f,c	nr	s
IA	b,d	none	na	d,k*	nr	a,e,f,g	s	n
ID	a,b	nr	n	c,d,e,g,h	indust compliance, data release, public inquir	a,c,b,g,d,e	s	n
IL	a,e,f*	93-97	n	a,c,d,e,f	timely submission, data quality, data analysis*	h*,a,c,d,e,g,b	o	n
IN	a,c,e,f,g,h,j*	96-97	n*	b,c,f,h,l,j	outreach/public, training/industry, planning	g,f,c,a,b	s	n
KS	a,b	nr	n	c,f,g	technical assistance, enforcement, outreach	a,e,c,f,g,b,d	o	s
KY	a,b,f	93-94	n	a,b,c,d,e,f,h	outreach, pollution prevention efforts	a,b,d,e,g	nr	nr
LA	a,b,d,e,f,g	93-97	y	a,b,c,d,g,l	public outreach, training, education	g,e,a	s	s
MA	a,e,f,g,h*	93-97*	n	a,b,c,f,j	training, outreach, enforcement	c,f,e,a,b,g	s	s
MD	a,b	nr	y	a,b,c,f,l	nr	h*,e,c,a,d,g,b	n	n
ME	a,d	nr	y	c,f,g	outreach, licensing/permitting, p2 release redu	c,b,e,a,f,g,d	nr	nr
MI	a,d,e,f*,g*,j*	93-97	n	c,j*	p2, outreach, performance indicators	e,a,c,h*	s	n
MN	a,d,e,f*,h	93-97	n	c,e,j*	compliance, training, public outreach	c,e,a,g,d,f,b	n	n
MO	a,b,c,e,g*	nr	n*	a,c,e,h,j*	outreach, p2, trends analysis	a,e,c,g	n	n
MS	a,b,d,e,f	93-96	y	j*	outreach facilities, outreach public, education	c,b,e,g,a,f,d	n	n
MT	a	na*	n	k*	nr	a,e	s	n
NC	a,g*	nr	n	nr	public's request	h*,b,g,c	nr	nr
ND	a,b,c	nr	n	d,e,h	training, outreach industry, outreach public	b,c,d,a	n	n
NE	a,b,d	na	y-copies	c,d,g	compliance assist, training/indust, outreach	a,c,d,b,f,e,g,h*	s	n
NH	a,b,c,f,h	na	n	b,c,d,e,f,g,h,j	compliance, enforcement, outreach	c,d,a,b,e,g,f	s	s
NJ	a,b,c,d*,e,f*,h*	93-94*	y	a,c,e,f,h,l,j*,k*	identifying & tracking, communication, outreach	c,h*,f,e,b,g,d,a	n	n
NM	a,b,c	none	n	d	outreach, public inf, maintaining reports	e,g,c,a	n	n
NY	a,b,c,e,f	93-96	y-per disk	a,b,c,d,e,f,g,h,l,j	outreach, enforcement	a,b,c,d,e,f,g,h*	nr	nr
NV	a,g*	nr	n	k*	fee collection, public info on request	a,h*	n	n
OH	a,b,d,e,f,g*,h	93-97	n	b,c,d,e,f,g,j*	training industry, outreach*	g,a,b	s	n
OK	a,b,e,h	96	n	c,f,g	training, outreach, p2 opportunity training	a,e,d,f,g	s	n
OR	a,b,c,e,f*	93-97	n	nr	outreach to the public	b,c,e	s	n
PA	a,b,c,e	nr	y	c,f,h,k*	process data fast, avail by request, fee collection	g,e,b,f,a,h,c,d	n	n
RI	a,e,j*	na	n	nr	nr	f,g	n	n
SC	a*,b,c,e,h	nr	n	a,b,j	compliance, collection*, cooperation*	e,c,a,b,f,d	s	n
SD	a,b,e	nr	n	c,d	outreach/industry, training/industry	a,h*	n	n
TN	a,d	nr	n	d	nr	a,b,d,e,f,g	nr	n
TX	a,b,d,e,g*,h,j*	nr	n	a,b,c,f,h,j,k*	tracking P2, technical assistance, outreach	b,a,e,g,c,f,d	s	n
UT	a,b,c,e,f,g*	95-96	y	a,c,f,g,j*	public outreach, environmental oversight	c,g,a,b,f	n	n
VA	a,b,c,f,g*	93,95,96,97	n	c,d	education, technical assist, public outreach	a,f,c	s	nr
VT	a,b,e,g	nr	n	c,e	public outreach	b,g,c,e	s	n
WA	a,b,c,e,f,j*	93-97	n	a,b,c,j*	outreach, technical assist indust, data st agency	c,b,e,a,g,f	n	s
WI	a,b,d,e,f,j*	93-97	n	a,b,c,d,e,f,g,h,j	pub outreach, data quality, compliance resrch	c,b,a,g,f,e,d,h*	s	n
WV	a,e,f*,h	93-97*	n	a	outreach, compliance, training	a,b,d,h*,e,g,f,c	n	n
WY	a,b,f*	97	n	c,d,e	pub outreach, hazard risk com, emergency plan	d,a,e,g,c,f,b	nr	nr
PR	a,b,c,e,f*	nr	y	c,d,f	outreach to the public	a,e,f,g	nr	n
VI	a,b	na	n	d	emergency plan, pub outreach, code revision	c,g	s	n

<sup>1</sup> Full content of questions asked and their associated response codes follow matrix.

# 1998 State TRI Program Assessment <sup>1</sup>

State	7c. EPA's state diskettes	7d. EPA's CD- ROM	7e. state- entered TRI data	7f. RTK- NET	7g. Envirofacts	7h. EPA public data release	7i. other	8. Which Envirofacts are used?	9. Why don't you use Envirofacts?	10. Do you use EPA TRI Web page?	11. Do you use Internet automated reporting?	12. Which software version is downloaded?
AL	s	s	s	s	s	s	nr	a,b	nr	y	n	na
AK	s	s	n	n	n	n	nr	nr	no time	n	n	nr
AZ	s	s	s	s	s	s	nr	a	nr	y	y	Win3.1x, 95NT
AR	s	s	o	s	n	s	nr	n/a	takes too long	n	n	nr
CA	s	n	o	n	s	s	nr	b	nr	y	n	nr
CO	n	n	n	o	s	s	nr	b	nr	y	n	nr
CT	s	s	n	s	s	s	nr	a	nr	y	n	nr
DC	s	s	nr	nr	nr	s	nr	nr	c	n	n	nr
DE	s*	s*	o	s	s	s	nr	a	nr	y	n	nr
FL	n	n	o	s	n	s	nr	nr	nr	y	y	Win95/NT
GA	s	n	o	n	n	o	nr	nr	a	y	n	nr
HI	nr	nr	nr	nr	nr	s	nr	nr	no demand	n	n	nr
IA	s	n	n	o	o	o	nr	a	nr	y	n	nr
ID	s	o	o	s	n	o	nr	a	d-habit	y	n	nr
IL	s	s	o	n	s	s	nr	a,b,c	nr	y	y	Win95/NT
IN	s	o	o	o	o	n	nr	a,b	nr	y	n	nr
KS	s	s	n	s	s	o	nr	a,b	nr	y	n	nr
KY	o	o	nr	o	nr	nr	nr	a,b	nr	y	n	nr
LA	s	s	o	nr	s	nr	nr	a,b	nr	y	n	nr
MA	n	s	o	s	s	s	nr	a,b	nr	y	n	nr
MD	s	s	o	o	o	o	nr	a	nr	y	y	Win95/NT
ME	nr	nr	nr	nr	nr	nr	o*	nr	d*	n	n	nr
MI	n	s	o	n	n	s	nr	nr	d*	y	y	Win95/NT
MN	n	n	o	s	s	s	nr	a,b	nr	y	y	Win95/NT
MO	o	n	o	s	s	s	nr	c	d*	y	y	Win95/NT
MS	n	n	o	n	n	o	nr	na	c*	n	n	nr
MT	n	n	n	n	n	s	nr	nr	d*	n	n	nr
NC	nr	nr	nr	o	nr	nr	nr	nr	d*	y	y	DOS
ND	s	s	nr	nr	nr	s	nr	nr	d-little need	y	n	nr
NE	o	o	n	n	s	o	nr	a	nr	y	n	nr
NH	s	n	n	n	n	s	nr	a	nr	n	n	nr
NJ	o	s	o	s	s	s	nr	a,b,c	nr	y	y	Win95/NT
NM	s	s	n	n	n	s	nr	na	no time	n	n	na
NY	nr	nr	o	nr	nr	nr	nr	nr	d-state dbase	y	y	DOS
NV	s	s	n	n	n	s	nr	na	na	n	n	na
OH	n	s	o	s	s	s	nr	a,c	nr	y	n	Win3.1X
OK	n	n	o	s	s	s	nr	a	nr	y	y	Win95/NT
OR	s	s	o	n	n	s	nr	nr	d-no need	n	n	nr
PA	o	s	o	n	n	s	nr	nr	d	nr	nr	nr
RI	n	n	o	n	n	nr	nr	nr	d-own database	y	n	nr
SC	s	s	o	s	n	o	nr	nr	nr	y	n	nr
SD	n	n	n	n	s	s	nr	a,b	nr	y	n	Win95/NT
TN	n	n	nr	nr	nr	o	nr	nr	c*	n	n	nr
TX	s	s	na	o	o	o	nr	a,b,c	nr	y	y	Win95/NT
UT	n	n	o	n	o	s	nr	a,b,c	nr	y	y	Win95/NT
VA	s	s	o	nr	s	s	nr	nr	b	y	y	Win3.1x
VT	s	n	n	n	n	n	nr	a	nr	y	n	nr
WA	s	s	o	s	s	s	nr	c	nr	y	y	Win95/NT
WI	n	s	o	s	s	s	nr	a,b,c	nr	y	y	Win95/NT
WV	n	s	o	s	s	s	nr	a	nr	y	y	all
WY	s	nr	s	nr	nr	s	nr	nr	d-don't require	n	n	nr
PR	o	o	o	n	o	o	nr	a,b	nr	y	n	nr
VI	s	o	n	n	n	s	nr	nr	a	n	n	nr

<sup>1</sup> Full content of questions asked and their associated response codes follow matrix.

# 1998 State TRI Program Assessment <sup>1</sup>

State	13. Additional information or improvements on EPA TRI Web page	14. How you rely on public release data?	15a Do you have Internet access?	15b. Do you have bulletin board access?	16. Accepted type of Form R submissions	17a. UTIL used for diskette submissions?	17b. When does state use UTIL?	17c. Enhancements to UTIL for your state
AL	na	b	y	y	h	nr	nr	nr
AK	nr	h	y	n	h	nr	nr	nr
AZ	nr	h	y	y	mm	y(not always)	due date	show transfer separate
AR	na	b	n	n	h	nr	nr	nr
CA	nr	n	y	n	mmh	n	nr	nr
CO	nr	h	y	n	mmh	y	nr	nr
CT	nr	b	y	n	h	nr	nr	nr
DC	nr	b	n	n	mmh	nr	nr	nr
DE	nr	n	y	dk	mmh	y	*	*
FL	*	b	y	nr	mmh	n	nr	nr
GA	nr	b	y	nr	mmh	n	nr	nr
HI	nr	h	y	y	mmh*	n	nr	nr
IA	nr	b	y	y	mmh	n	nr	nr
ID	nr	h	y	nr	mmh	nr	nr	nr
IL	nr	b	y	n	mmh	n	hard copy for FOIA	nr
IN	nr	b	y	nr	mmh	y	*	*
KS	nr	b	y	nr	mmh	n	*	nr
KY	nr	h	y	nr	h	nr	nr	nr
LA	nr	h	y	n	mmh	n	nr	nr
MA	nr	b	y	n	h	nr	nr	nr
MD	nr	h	y	n	mmh	n	*	*
ME	nr	b	y	y	h	nr	nr	nr
MI	nr	b	y	n	mmh	y	*	*
MN	nr	b	y	n	mmh	y	1-Jun	*
MO	nr	h	y	n	mmh	n	*	nr
MS	na	b	n	n	h	n	nr	nr
MT	nr	b	y	n	mmh	n	nr	nr
NC	nr	h*	y	nr	mmh	n	nr	nr
ND	nr	b	y	y	mmh	n	nr	nr
NE	nr	h	y	n	h	nr	nr	nr
NH	nr	b	y	n	h	nr	nr	nr
NJ	useful/inform	b	y	na*	mmh	y	when reports in	0
NM	nr	h	y	n	mmh	y	info requested	nr
NY	nr	b	y	nr	mmh	n	*	*
NV	na	b	n	n	mmh	n	nr	nr
OH	*	b	y	n	mmh	y	May/June	n
OK	nr	b	y	n	mmh	y	1-Jul	y-better link of master2
OR	nr	b	y	y	mmh	y	as soon as available	access format
PA	nr	nr	y	n	mmh	y	*	ability to change TRI
RI	nr	b	y	y	h	nr	nr	nr
SC	*	h	y	nr	mm	y	1 mo. After submiss	*
SD	nr	b	y	n	mmh	n	nr	nr
TN	nr	h	n	n	h	n	nr	nr
TX	nr	h	y	y	mmh	n	*	*
UT	nr	b	y	n	mmh	n	nr	nr
VA	nr	b	y	nr	mmh	y	March/June	nr
VT	nr	b	y	y	mmh	n	need more info	nr
WA	nr	b	y	y	mmh	y	early as possible(AFR)	*
WI	nr	b	y	n	mmh	y	1-Jul	*
WV	nr	n	y	nr	mmh	y	before July 1	view without printing
WY	nr	b	y	y	mmh	n	not at this time	unknown
PR	nr	h	y	nr	h	nr	nr	nr
VI	nr	b	y	y	h	na	na	na

<sup>1</sup> Full content of questions asked and their associated response codes follow matrix.

# 1998 State TRI Program Assessment <sup>1</sup>

State	17d. Would you like to download UTIL from Internet?	17e. How can EPA help with user assistance of UTIL?	17f. Which software does your state use for Form R/Form A disk submissions?	17g. What assistance can EPA provide with AFT/ATRS?	18. For hardcopy reports, do you plan to accept magnetic media reports?	19. Do you want to be involved in EPA conference call?	20. TRI data-base?
AL	nr	nr	nr	nr	y	y	y
AK	nr	nr	nr	nr	n*	n	n
AZ	y	*	c	coordinate*	y*	nr*	y
AR	nr	nr	nr	nr	y	y	y
CA	y	nr	s	nr	nr	nr	y
CO	y	nr	s	nr	nr	y	y
CT	nr	nr	nr	nr	n*	n	n
DC	nr	*	nr	nr	nr	y	n
DE	y	nr	s,c	nr	na	y	y
FL	nr	nr	s	nr	nr	y	y
GA	y	nr	s	nr	nr	y	y
HI	y	nr	nr	nr	nr	y	n
IA	not tried	nr	c	nr	na	n	n
ID	y	nr	c	nr	nr	y	y
IL	n	nr	s	none	na	n	y
IN	y	*	s	*	both	y	y
KS	nr	nr	o*	nr	nr	y	n
KY	nr	nr	nr	nr	n*	n	n
LA	nr	nr	nr	nr	na	y	y
MA	nr	nr	nr	nr	y	nr	y
MD	y	*	s	nr	nr	y	y
ME	nr	nr	nr	nr	y	n	nr
MI	y	updated docu	nr	nr	nr	Y	y
MN	y	tech assist line	s	more compatible*	nr	y	y
MO	y	nr	o	nr	nr	y	y
MS	n	nr	s,c	*	y*	y	y
MT	nr	nr	nr	nr	nr	n	n
NC	nr	nr	nr	nr	nr	nr	n
ND	y*	more assist	nr	nr	nr	n	n
NE	nr	nr	nr	nr	y	y	n
NH	nr	nr	nr	nr	y	n	n
NJ	y	*	s	we're ok	nr	y	y
NM	y	nr	c	nr	nr	n	n
NY	n*	*	s	none	nr	na	y
NV	n	nr	na	na	na	na	n
OH	y	none	s	none	nr	y	y
OK	y	nr	nr	nr	nr	y	y
OR	y	nr	s	nr	nr	nr	y
PA	y	*	o	UTIL windows	nr	y	y
RI	nr	nr	nr	nr	n-resources	y	y
SC	y	nr	nr	nr	nr	y	y
SD	nr	not familiar with	s	unknown	nr	n	y
TN	nr	nr	nr	nr	y	n	nr
TX	y	nr	nr	nr	nr	y	y
UT	n	nr	s	nr	nr	y	y
VA	y	nr	nr	nr	nr	nr	y
VT	nr	nr	nr	nr	nr	n-no database	n
WA	y	*	s	*	nr	y	y
WI	y	*	o-paradox	*	nr	y	y
WV	y	nr	s	nr	nr	nr	nr
WY	y	full instruction	c,o*	make import/export	nr	nr	n
PR	nr	nr	nr	nr	y	y	y
VI	na	na	na	na	y	y	n

<sup>1</sup> Full content of questions asked and their associated response codes follow matrix.

# 1998 State TRI Program Assessment <sup>1</sup>

State	21. Method of TRI data entry?	22. Use AFR or ATRS & when is new version needed?	23a. Has your TRIS system been modified to meet EPA's?	23b. Do you anticipate any problem loading TRIS?	24. Are all FORM R elements in your database?	25. Which Form R fields do you enter?	26. How soon is TRI info. available? (months)	27. What years are TRI data available on your state's computer?
AL	a	n	dk	dk	n	a,b	2-3	87-97
AK	na	nr	nr	nr	nr	nr	nr	nr
AZ	a	y-reports	y	dk	y	nr	3	91-97
AR	a	n	dk	dk	y	a-g	3	94-97
CA	a	n	y	n	n	a-g*	2	87-97
CO	c	n	dk	dk	y	nr	nr	92-97
CT	na	n	na	na	na	na	na	na
DC	nr	nr	dk	dk	n	nr	nr	99
DE	e*	n	y	na	n	a,b,c,d,e,f,g	3	87-97
FL	a	y-begin	y	n	n	a,c,d,e,f,g	3	90-97
GA	a	nr	n	dk	n	a,c,d,e,g	6	87-97
HI	nr	n	nr	n	nr	nr	nr	nr
IA	nr	n	y	n	n	none	na	nr
ID	a	y-beta test	y	n	y	nr	6	87-97
IL	a	y-beta test	y	n	y	nr	6	87-95
IN	a	y-asap	y	dk	y	nr	6	87-97
KS	nr	y-asap	y	n	nr	nr	nr	87-94*
KY	nr	n	dk	dk	nr	nr	8-9	nr
LA	c	y*	y	n	y	nr	6-7	87-97
MA	a	n	y	n	n	a,c,d,e	7-8	90-97
MD	a	y*	dk	dk	n	a,c,d,e,f,g	3-6	88-96
ME	nr	nr	nr	nr	nr	nr	nr	nr
MI	a	y*	y	dk*	n	a,c,d,e,f,h	6	90-97
MN	a	n	n	y	n	a,b,c,d,e	3-4	87-96
MO	c,e*	y-beta test	nr	nr	n	a,c,d,e	nr	87-97
MS	a	n	n	y	n	a,b,c,d,e	3-4	87-96
MT	nr	nr	nr	nr	nr	nr	nr	nr
NC	nr	y-July 1	na	na	n	nr	nr	nr
ND	nr	n	y	n	na	nr	na	na
NE	na	n	dk	dk	na	na	na	na
NH	nr	n	y	n	na	nr	nr	nr
NJ	e*	y*	y	n	n	a,b,c,d,e,f,g	9	87-97
NM	nr	y-no need	dk	dk	nr	nr	nr	nr
NY	a,c	n	n	nr	n	a,b,c,d	2	88-97
NV	nr	y-before 7/1	dk	dk	nr	na	na	na
OH	a	y-May/June	y	n	n	a,b,c,d,e,f	6	87-97
OK	a	y-July 1	nr	nr	y	nr	4	87-97
OR	a	y-when avail	y	n	y	nr	nr	88-97
PA	a,b	y-testing	y	dk	y	nr	2	87-97
RI	a	n	dk	dk	n	a,c,d	6	87-97
SC	e*	n	y	n	y	nr	3-4	87-97
SD	a	y-when in	na	nr	n	a,b,c,d,e,f	2-3	91-97
TN	nr	n	nr	nr	nr	nr	nr	nr
TX	e	y*	y	n	n	a,b,c,d,e,f,g	9	87-97
UT	a	y-July	y	n	n	a,c,d,e,g	3	88-97
VA	a	Oct/Dec	y	n	y	nr	6-7	91-97
VT	nr	n	dk	dk	na	nr	nr	nr
WA	a	y*	y	n	y	nr	3	87-97
WI	a	y*	y	na*	n	a,b,c,d,e,g*	4	87-97
WV	nr	y-before 7/1	nr	nr	y	nr	3	87-97
WY	nr	n	nr	nr	y	a,b,c,d,g,h*	nr	97
PR	b,c	y	dk	dk	n	a,c,d	wait for EPA	87-95
VI	nr	n	n	n	n	nr	na	na

<sup>1</sup> Full content of questions asked and their associated response codes follow matrix.

# 1998 State TRI Program Assessment <sup>1</sup>

State	28. Public access to state TRI computer database?	29. Update database to include facilities' Form R revisions?	30. How often are revisions entered?	31. Is section 313/TRI data compared with EPA's for consistency?	32. What community outreach programs do you use to explain reporting?	33. Does your state have EPCRA enforcement authority under state law?	34. Do you do inspections of manufacturing facilities to determine compliance with EPCRA?
AL	n	y	yearly	y	a,b,c,d,e	n	n
AK	nr	nr	nr	nr	nr	n	nr
AZ	n	y	upon rec't	y*	a,b,c,d	n	n
AR	n	y	quarterly	y	nr	n	n
CA	nr	y	upon req't	y	nr	n	nr
CO	n	n	nr	y	c	n	nr
CT	na	na	na	y	na	n	nr
DC	n	n	nr	n	c	n	nr
DE	n*	y	upon rec't	y	a,b,c,d	y	n
FL	n	y	upon req't	y	c,d	n	n
GA	n	y	yearly	n	nr	n	n
HI	nr	nr	nr	y	nr	n	nr
IA	nr	nr	nr	n	nr	n	n
ID	n	y	monthly	y	a,c,d	n	n
IL	n	y	monthly	y	d	y	y
IN	y*	y	quarterly	y	a,b,c,d,e	n	nr
KS	nr	nr	nr	nr	d	y	n*
KY	n	n	nr	nr	a,c,d,e	y*	n*
LA	n	y	monthly	y	a,c	n	nr
MA	y*	nr	yearly	n	a,b,d	y*	y
MD	n	y	upon req't	y	c	n	n
ME	nr	nr	nr	nr	a	y	n
MI	n	y	monthly	y	a,c,d	n	n
MN	n	n	weekly	y	a,c,d	y	y*
MO	n	n	nr	y	d	n	nr
MS	n	n	nr	y	a,b,c	n	n
MT	nr	nr	nr	nr	nr	n	n
NC	nr	nr	nr	nr	a,c,d,e	n	na
ND	na	na	na	y	a,c,d	n	nr
NE	na	na	nr	na	a,b,c	n	n
NH	nr	nr	nr	nr	a,c,d	n	n
NJ	n	y	yearly	n	a,c,d	n	nr
NM	nr	nr	nr	nr	a,c	y	n
NY	n	y	yearly	n*	c,d	n	nr
NV	n	n	nr	n	c	n	n
OH	y*	y	monthly	y	a,c,d	y	y
OK	n	n	nr	y	a,c,d	n	nr
OR	n	y	upon rec't	y	nr	n	n
PA	n	y	monthly	y	c,d	y	nr
RI	n	y	upon req't	y	nr	n	nr
SC	n	y	year/req't	y	nr	n	nr
SD	n	y	varies	y	a,c,d,e	n	nr
TN	nr	nr	nr	nr	a,b,c	n	n
TX	n	y	yearly	n	a,c,d	y	n
UT	n	y	monthly	y	a,c,d	n	n
VA	n	y	upon req't	y	b,c,d	n	nr
VT	nr	nr	nr	nr	e	n	n
WA	n	y	monthly	y	c,d,e	n	nr
WI	n	y	upon rec't	y	c	y	n
WV	n	y	upon req't	y	a,c,d	y	n
WY	n	y	monthly	y	a,b,c	n	n
PR	n	y	upon req't	y	c,d	n	n
VI	n	na	na	na	none	n	na

<sup>1</sup> Full content of questions asked and their associated response codes follow matrix.

# 1998 State TRI Program Assessment <sup>1</sup>

State	35. How many inspections were conducted during 1996?	36. What percentage of inspected facilities were noncompliant for this period?	37. What do you use in enforcement actions?	38. How many EPCRA enforcement cases have you issued in the past year?	39. How many people are working in your TRI program (FTEs)?	40. What is the approximate total funding amount for your EPCRA TRI program?	41. What sources of revenue support your TRI program?
AL	na	na	nr	na	2	\$0	none
AK	nr	nr	nr	nr	< 0.5	\$0	nr
AZ	na	*	*	nr	3	\$0	none
AR	na	nr	nr	0	2	\$50,001-\$100,000	report fees
CA	nr	nr	nr	nr	0.5	\$50,001-\$100,000	haz waste fees
CO	nr	nr	nr	nr	0.5	\$1-\$50,000	NPPG dollars
CT	nr	nr	nr	nr	0	na	na
DC	nr	nr	nr	nr	1	\$1-\$50,000	FEMA
DE	nr	nr	a	0	1	\$1-\$50,000	general fund
FL	nr	nr	nr	nr	1	over \$200,000	fees *
GA	0	nr	b	0	3	\$100,001-\$150,000	none
HI	nr	nr	nr	nr	0	\$0	nr
IA	nr	nr	nr	nr	0	\$0	nr
ID	nr	nr	nr	nr	0	\$1-\$50,000	general fund
IL	1	100	a	15	2	\$100,001-\$150,000	special use funds*
IN	nr	nr	nr	nr	2.5	\$150,001-\$200,000	*
KS	nr	nr	c	0	4*	nr	fees for filing
KY	nr	nr	nr	0*	1/5	\$1-\$50,000	state funds
LA	nr	nr	nr	nr	2.5	\$50,001-\$100,000	general fund
MA	nr	nr	a	nr	12	over \$200,000	fees & grants
MD	nr	nr	nr	nr	1	\$1-\$50,000	general funds
ME	nr	nr	nr	0	2-Jan	\$1-\$50,000	fees from reporters
MI	nr	nr	nr	nr	2.5	\$100,001-\$150,000	general & p2 funds
MN	6 (EPA)	50	c	0	1	\$1-\$50,000	p2 fees
MO	nr	nr	nr	nr	1	nr	general, PPIS
MS	nr	nr	c	nr	2	\$1-\$50,000	*
MT	none	nr	nr	nr	0	nr	nr
NC	na	na	na	na	1	\$1-\$50,000	none
ND	nr	nr	nr	nr	0.1	\$1-\$50,000	TIER II fee
NE	na	na	na	0	0.15	\$1-\$50,000	general funds
NH	nr	nr	b	0	0	\$0	none
NJ	nr	nr	nr	nr	0.3	\$1-\$50,000	RTK assess fee
NM	0	nr	nr	0	1/16	\$0	none
NY	nr	nr	nr	nr	1	\$50,001-\$100,000	RCRA grant
NV	0	na	na	nr	nr	\$0	none
OH	64	14	a	9	3	over \$200,000	TRI fees
OK	nr	nr	nr	nr	1.5	\$1-\$50,000	fees on tier2s
OR	nr	nr	nr	nr	0	\$0	none
PA	nr	nr	nr	nr	3	\$50,001-\$100,000	*
RI	nr	nr	nr	nr	0.5	nr	nr
SC	nr	nr	nr	nr	0.5	\$1-\$50,000	*
SD	nr	nr	nr	nr	1/3	\$1-\$50,000	air grant & fees
TN	nr	nr	nr	0	1	nr	nr
TX	nr	nr	nr	0	2	\$50,001-\$100,000	PPIS grant, filing fees
UT	nr	nr	nr	nr	0.3	\$1-\$50,000	state appropriation
VA	nr	nr	nr	nr	1.5	\$50,001-\$100,000	general funds
VT	nr	nr	nr	nr	0.05	\$1-\$50,000	general fund
WA	nr	nr	nr	nr	1	\$50,001-\$100,000	worker & com rtk fund
WI	0	na	a	<5*	2	nr	nr
WV	0	nr	nr	0	.1 +NICS	\$0	*
WY	nr	nr	nr	nr	1	\$1-\$50,000	none
PR	na	nr	nr	na	1	\$0	none
VI	na	na	na	na	0	nr	na

<sup>1</sup> Full content of questions asked and their associated response codes follow matrix.

# 1998 State TRI Program Assessment <sup>1</sup>

State	42. Does your financial support meet the goal of Community Right-to-Know?	43. What other criterion does your state mandate?	44. Do you require facilities to report information which is exempt under Form A?	45. Are your state's Form R filers required to pay a fee?	46. If yes, describe.	47. Revenue mechanisms you are pursuing to support TRI program.
AL	n	a	n	n	nr	legislation
AK	n	a	n	n	nr	nr
AZ	n	c,h	n*	n	nr	none
AR	n	a	n	y	*	na
CA	y	a	n	n	nr	nr
CO	n	a	n	y	*	nr
CT	nr	a	n	n	nr	nr
DC	n	a	n	n	nr	nr
DE	y*	a	n	n	nr	nr
FL	n	a	n	y	*	na
GA	n	a*	n	y	nr	nr
HI	n	a	n	n*	nr	nr
IA	n	a	n	n	nr	nr
ID	n	a	n	n	nr	none
IL	n	a	n	n	nr	nr
IN	n	a	n	n	nr	na
KS	y	a	n	y	*	nr
KY	n	a	n	n	nr	nr
LA	n	a	n	n	nr	legislation
MA	n	b,c,d,g,h,i*	n	y	*	grants
MD	n	a*	n	n	nr	none
ME	y	h*	n	y	*	nr
MI	y	a	n	n	nr	nr
MN	y	c,h*	n	y	*	none
MO	y	a	n	n	nr	nr
MS	n	a*	n	n	nr	filing fees
MT	y	a	n	n	nr	nr
NC	n	a	n	n	nr	nr
ND	y	a	n	n	nr	nr
NE	y	a	n	n	nr	na
NH	n	a	n	n	nr	none
NJ	n	d,g*,h,i*	y*	n	nr	nr
NM	n	a	n	n	nr	none
NY	n	a	n	n	nr	nr
NV	n	fees	n	y	*	na
OH	y	a	n	y	*	nr
OK	y	a	n	n	nr	nr
OR	n	l*	n	n	nr	nr
PA	y	a*	n	y	*	nr
RI	nr	a	n	n	nr	nr
SC	y	a	n	n	nr	nr
SD	y	a	n	y	*	nr
TN	n	a	n	n	nr	nr
TX	n	a,h*	n	y	*	nr
UT	y	a	n	n	nr	filing fees
VA	n	a	n	n	nr	nr
VT	y	h*	nr	n	nr	nr
WA	n	a	n	n	nr	nr
WI	nr	c	n	n	nr	*
WV	n	a	n	n	nr	nr
WY	n	a	n	n	nr	none
PR	n	a	n	n	nr	nr
VI	n	a	n	na	nr	*

<sup>1</sup> Full content of questions asked and their associated response codes follow matrix.



# 1998 State TRI Program Assessment <sup>1</sup>

State	48. Are you kept current (EPA) on TRI reporting requirements?	49. What kind of PC work station does your office use?	50. What type of computer processor does your office use?	51. Which operating system does your office use?	52. To which network is your PC connected?
AL	y	IBM	Pentium	Win95	Wang
AK	y	IBM	Pentium	WinNT4.0	Novell/NT
AZ	y*	IBM	Pent, NW	Win3.1x&95	Novell *
AR	y	Ofc97	Network PC	WinNT4.0	Microsoft
CA	y	IBM	486,Pent	Win3.1x&95	Novell
CO	y	IBM	Pentium	Win95	Novell
CT	y	IBM	pent, NetPC	WinNT4.0	Novell
DC	y	IBM	Pentium	Win95	Microsoft
DE	y	IBM	Pentium	Win95	NT & Banyan
FL	y	IBM	Pentium	Win95	Novell
GA	n	IBM	386	DOS	Microsoft
HI	y	IBM	all	Win 3.1x&NT4.0	Novell
IA	y	IBM	Pentium	WinNT4.0	Novell
ID	y	IBM	Pentium	Win95	Microsoft
IL	y	IBM	Network PC	Win95	Novell
IN	y	IBM	Pentium	Win95	Novell
KS	nr	IBM	Pentium	WinNT3.5	nr
KY	y	IBM	Network PC	nr	nr
LA	y	IBM	Pentium	Win95	Microsoft
MA	y	IBM	Pentium	WinNT4.0	ARCNET
MD	y	IBM	Pentium	Win95	Novell
ME	y	IBM	Network PC	Win95	Novell
MI	y	IBM	Pentium	WinNT4.0	Microsoft
MN	y	IBM	Pentium	Win95	Microsoft
MO	nr	IBM	Pentium	WinNT4.0	Microsoft
MS	y	IBM	Pentium	Win95	IBM
MT	y	IBM	Network PC	Win95	Novell
NC	y	IBM	Pentium	Win95	Novell
ND	y	IBM	Network PC	Win95	Microsoft
NE	y	IBM	Pentium	Win95	IBM
NH	y	other	Pentium	Win98	Novell
NJ	y	IBM	Pentium	Win95	Novell
NM	y	IBM	Network PC	Win95	nr
NY	y	IBM	Pentium	Win95	Novell
NV	y	IBM	Network PC	Win95	Novell
OH	y	IBM	Pentium	Win3.1x	Novell
OK	y	IBM	Network PC	Win95	Novell
OR	y	IBM	Pentium	Win95	Novell
PA	n	IBM	Pentium	WinNT4.0	Microsoft/IBM
RI	y	IBM	Network PC	DOS	Novell
SC	y	IBM	Pentium	Win95	Novell
SD	y	IBM	Pentium*	LAN	Microsoft
TN	y	nr	nr	nr	nr
TX	y	IBM	Pentium	Win95	Novell
UT	y	IBM	Pentium	WinNT4.0	Novell
VA	y	IBM	Pentium	Win3.1x	nr
VT	y	IBM	Pentium	Win95	Novell
WA	y	IBM	Penti/Netwk	Win95	Novell
WI	y	IBM	Pentium	WinNT4.0	Microsoft*
WV	y	IBM	Pentium	Win95	Microsoft
WY	y	IBM	486, Pen, Ntwk	Win95	Novell
PR	y	IBM	Network PC	Win95	Novell
VI	y	IBM	Pentium	Win95	none

<sup>1</sup> Full content of questions asked and their associated response codes follow matrix.

# STATE FACT SHEETS



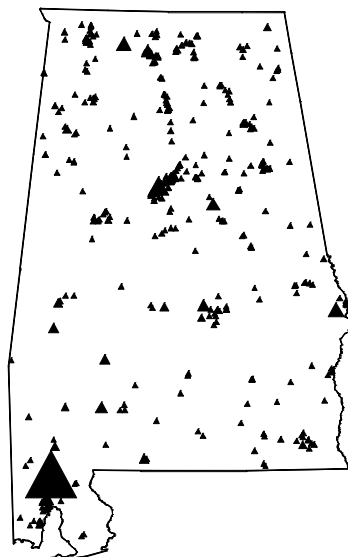
# 1997 TOXICS RELEASE INVENTORY

# ALABAMA

## State/TRI Data

Population	4,322,113
Square Miles	50,750
Total Facilities	526
Total Forms	1,978
Form As	297

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	10
Pounds	94,671,279
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	10
Pounds	77,585,917
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	11
Pounds	89,322,711
<b>National Rank for Production-related Waste Managed</b>	
Rank	11
Pounds	785,104,037



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Alabama. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	77,585,917
Air Emissions	62,192,085
Surface Water Discharges	4,759,101
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	10
On-site Land Releases to RCRA Subtitle C Landfills	642,737
Other On-site Land Releases	9,991,984
Off-site Releases (Transfers Off-site to Disposal)	17,085,362
<b>Total On- and Off-site Releases</b>	<b>94,671,279</b>
Recycled On-site	266,066,193
Recycled Off-site	41,610,934
Energy Recovery On-site	54,993,029
Energy Recovery Off-site	33,306,201
Treated On-site	288,994,880
Treated Off-site	17,224,155
Quantity Released On- and Off-site <i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	82,908,645
<b>Total Production-related Waste Managed</b>	<b>785,104,037</b>
<b>Total Non-production-related Waste Managed</b>	<b>153,670</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
75-15-0	Carbon disulfide	15,793,607	2,314	0	0	0	0	0	0	0	15,795,921
67-56-1	Methanol	14,158,831	1,068,939	0	0	0	80,293	4,842	15,582	56,664	15,328,487
7664-41-7	Zinc compounds	168,769	225,336	0	0	270,000	4,404,111	1,387,578	466,165	2,341,985	6,921,959
	Manganese compounds	40,086	596,902	0	0	211,000	2,744,380	124,603	1,718,294	402,852	5,435,265
	Ammonia	3,446,375	437,592	0	0	18,000	101,398	10	26,250	30,816	4,029,625

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# ALABAMA

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Courtaulds Fibers Inc., Axis, Mobile	15,100,400	20,430	0	0	0	387,000	15,507,830	0	0
USS Fairfield Works, Fairfield, Jefferson	330,179	3,217	0	0	0	4,718,683	5,052,079	0	0
Mead Coated Board Inc., Cottonton, Russell	2,922,808	10,472	0	0	0	515,030	3,448,310	0	0
Champion Intl., Courtland, Lawrence	2,440,035	341,958	0	0	0	108,339	2,890,332	0	0
Amoco Chemical Co., Decatur, Morgan	1,674,466	670,290	0	0	0	204,016	2,548,772	3,300	162,770

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Courtaulds Fibers Inc., Axis, Mobile	17,000,000	0	0	0	838,000	0	15,409,500	33,247,500	0
USS Fairfield Works, Fairfield, Jefferson	0	4,550,000	0	2,493	88,328	0	5,052,080	9,692,901	0
Mead Coated board Inc., Cottonton, Russell	0	0	1,385,400	0	5,869,600	0	3,514,200	10,769,200	0
Champion Intl., Courtland, Lawrence	0	0	2,121,000	0	22,499,700	0	2,838,090	27,458,790	409
Amoco Chemicals Co., Decatur, Morgan	0	218,000	0	4,440	3,882,820	4,209,670	2,700,500	11,015,430	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

## For More Information...

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**EPA Regional Contact:**  
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**To obtain TRI data use assistance, call TRI User Support Service (TRI-US):**  
(202) 260-1531  
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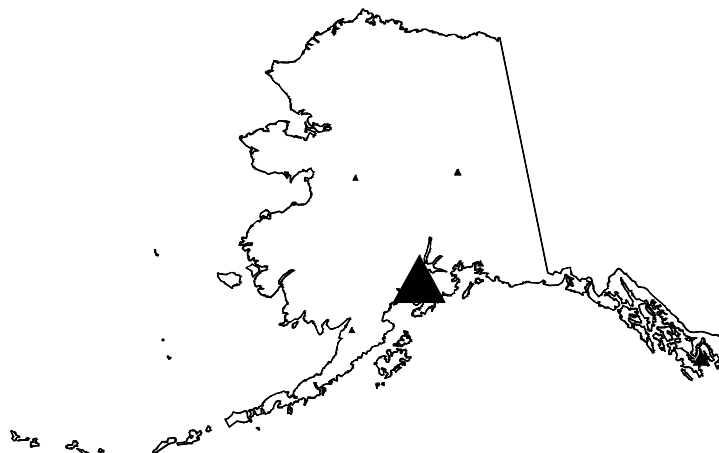
# 1997 TOXICS RELEASE INVENTORY

# ALASKA

## State/TRI Data

Population	609,655
Square Miles	570,374
Total Facilities	8
Total Forms	40
Form As	3

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	43
Pounds	4,617,154
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	42
Pounds	4,615,647
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	44
Pounds	4,617,147
<b>National Rank for Production-related Waste Managed</b>	
Rank	49
Pounds	7,910,641



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Alaska. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	4,615,647
Air Emissions	4,279,656
Surface Water Discharges	333,613
Underground Injection Class I Wells	20
Underground Injection Class II-V Wells	410
On-site Land Releases to RCRA Subtitle C Landfills	0
Other On-site Land Releases	1,948
Off-site Releases (Transfers Off-site to Disposal)	1,507
<b>Total On- and Off-site Releases</b>	<b>4,617,154</b>
Recycled On-site	32,133
Recycled Off-site	220,038
Energy Recovery On-site	456,085
Energy Recovery Off-site	9,423
Treated On-site	2,562,157
Treated Off-site	2,812
Quantity Released On- and Off-site	4,627,993
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed</b>	<b>7,910,641</b>
<b>Total Non-production-related Waste Managed</b>	<b>102,867</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
7664-41-7	Ammonia	3,371,329	22,368	0	160	0	0	0	0	0	3,393,857
67-56-1	Methanol	240,490	230,540	20	0	0	0	0	0	0	471,050
7647-01-0	Hydrochloric acid	370,000	0	0	0	0	0	0	0	0	370,000
108-88-3	Toluene	88,176	0	0	0	0	265	0	0	0	88,441
1330-20-7	Xylene (mixed isomers)	72,898	0	0	0	0	293	0	0	0	73,191

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# ALASKA

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Unocal Agricultural Prods., Kenai, Kenai Peninsula	3,481,219	74,945	20	410	0	85	3,556,679	0	0
Ketchikan Pulp Co., Ketchikan, Ketchikan Gateway	518,767	257,560	0	0	0	0	776,327	0	0
Tesoro Alaska Petroleum Co., Kenai, Kenai Peninsula	235,065	1,108	0	0	0	113	236,286	0	7
Mapco Alaska Petroleum Inc., North Pole, Fairbanks North Star	43,850	0	0	0	0	1,750	45,600	0	0
Petro Star Valdez Refinery, Valdez, Valdez-Cordova	500	0	0	0	0	0	500	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Unocal Agricultural Prods., Kenai, Kenai Peninsula	0	172,300	456,000	0	2,510,000	0	3,574,582	6,712,882	100,000
Ketchikan Pulp Co., Ketchikan, Ketchikan Gateway	0	0	0	200	0	2,032	775,960	778,192	0
Tesoro Alaska Petroleum Co., Kenai, Kenai Peninsula	0	47,738	0	0	40,207	776	236,282	325,003	0
Mapco Alaska Petroleum Inc., North Pole, Fairbanks North Star	32,133	0	0	3	11,950	4	40,900	84,990	2,867
Petro Star Valdez Refinery, Valdez, Valdez-Cordova	0	0	0	0	0	0	233	233	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

## For More Information...

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Fax (202) 401-2347



# 1997 TOXICS RELEASE INVENTORY

# AMERICAN SAMOA

## State/TRI Data

Population	46,773
Square Miles	77
Total Facilities	1
Total Forms	1
Form As	0

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	53
Pounds	12,750
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	53
Pounds	12,750
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	53
Pounds	12,750
<b>National Rank for Production-related Waste Managed</b>	
Rank	54
Pounds	12,750



The triangle appearing in the map represents the only facility with on-site releases in American Samoa.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	12,750
Air Emissions	12,750
Surface Water Discharges	0
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	0
Other On-site Land Releases	0
Off-site Releases (Transfers Off-site to Disposal)	0
<b>Total On- and Off-site Releases</b>	<b>12,750</b>
Recycled On-site	0
Recycled Off-site	0
Energy Recovery On-site	0
Energy Recovery Off-site	0
Treated On-site	0
Treated Off-site	0
Quantity Released On- and Off-site	12,750
(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	
<b>Total Production-related Waste Managed</b>	<b>12,750</b>
<b>Total Non-production-related Waste Managed</b>	<b>0</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
7664-41-7	Ammonia	12,750	0	0	0	0	0	0	0	0	12,750

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



## 1997 TOXICS RELEASE INVENTORY

# AMERICAN SAMOA

### Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	<u>Underground Injection</u>			<u>On-site Releases to Land</u>				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Cos Samoa Packing Co., Eastern Pago Pago Samoa, Sua	12,750	0	0	0	0	0	12,750	0	0

\*The facility ranking is based on the amounts in this column.

### Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Cos Samoa Packing Co., Eastern Pago Pago Samoa, Sua	0	0	0	0	0	0	12,750	12,750	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

### For More Information...

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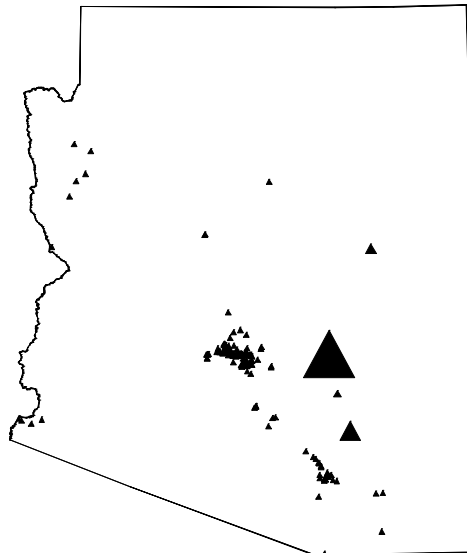
# 1997 TOXICS RELEASE INVENTORY

# ARIZONA

## State/TRI Data

Population	4,553,249
Square Miles	113,642
Total Facilities	205
Total Forms	538
Form As	92

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	27
Pounds	31,418,499
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	23
Pounds	30,984,428
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	26
Pounds	31,627,992
<b>National Rank for Production-related Waste Managed</b>	
Rank	27
Pounds	302,938,427



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Arizona. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	30,984,428
Air Emissions	8,870,245
Surface Water Discharges	4,618
Underground Injection Class I Wells	6
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	0
Other On-site Land Releases	22,109,559
Off-site Releases (Transfers Off-site to Disposal)	434,071
<b>Total On- and Off-site Releases</b>	<b>31,418,499</b>
Recycled On-site	201,656,876
Recycled Off-site	54,239,088
Energy Recovery On-site	1,157,897
Energy Recovery Off-site	832,659
Treated On-site	8,843,621
Treated Off-site	4,915,653
Quantity Released On- and Off-site <i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	31,292,633
<b>Total Production-related Waste Managed</b>	<b>302,938,427</b>
<b>Total Non-production-related Waste Managed</b>	<b>148,978</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air	Surface	Class I	Class II-V	RCRA	Other				
		Emissions	Water Discharges	Wells	Wells	Subtitle C Landfills	On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
67-56-1	Copper compounds	4,523,145	5	0	0	0	15,036,297	49,730	24,894	12,670	19,634,071
	Zinc compounds	84,122	17	0	0	0	3,551,439	55,000	5,992	4,425	3,696,570
	Methanol	1,720,236	0	0	0	0	125,909	0	0	0	1,846,145
	Lead compounds	47,376	0	0	0	0	935,087	298	10,236	5,109	992,997
	Arsenic compounds	20,364	0	0	0	0	626,780	0	5	510	647,149

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# ARIZONA

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	<u>Underground Injection</u>				<u>On-site Releases to Land</u>			Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds			
Cyprus Miami Mining Corp., Claypool, Gila	206,800	0	0	0	0	19,210,200	19,417,000	0	0
BHP Copper Metals Co., San Manuel, Pinal	4,512,335	0	0	0	0	1,858,208	6,370,543	25	50
Stone Container Corp., Snowflake, Navajo	1,892,588	0	0	0	0	300,097	2,192,685	0	0
ASARCO Inc., Hayden, Gila	259,491	0	0	0	0	567,403	826,894	40	0
Sea Ray Boats Inc., Phoenix, Maricopa	202,000	0	0	0	0	0	202,000	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Cyprus Miami Mining Corp., Claypool, Gila	0	480,000	0	0	0	0	19,396,800	19,876,800	800
BHP Copper Metals Co., San Manuel, Pinal	113,335,910	10,503,165	0	0	0	0	6,376,877	130,215,952	0
Stone Container Corp., Snowflake, Navajo	0	0	208,370	0	171,000	0	2,194,181	2,573,551	0
ASARCO Inc., Hayden, Gila	69,682,777	6,294,262	0	0	0	1,236,803	826,934	78,040,776	0
Sea Ray Boats Inc., Phoenix, Maricopa	0	0	0	0	0	0	202,000	202,000	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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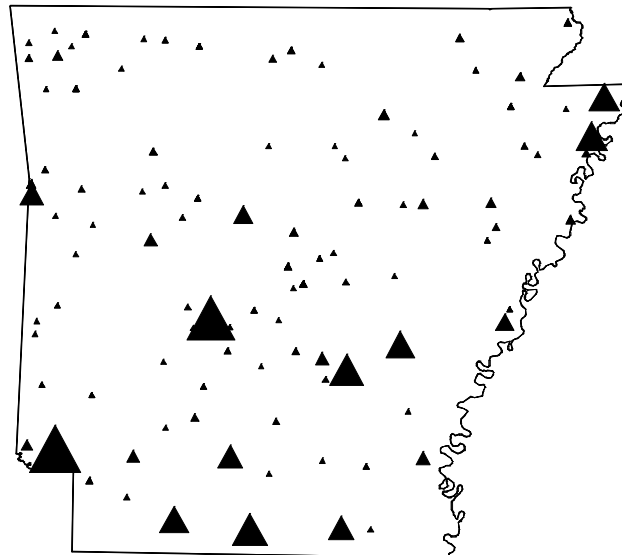
# 1997 TOXICS RELEASE INVENTORY

# ARKANSAS

## State/TRI Data

Population	2,523,186
Square Miles	52,075
Total Facilities	371
Total Forms	1,257
Form As	198

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	16
Pounds	59,722,263
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	22
Pounds	32,379,942
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	24
Pounds	34,322,906
<b>National Rank for Production-related Waste Managed</b>	
Rank	19
Pounds	502,159,029



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Arkansas. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	32,379,942
Air Emissions	25,374,381
Surface Water Discharges	1,800,354
Underground Injection Class I Wells	1,463,498
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	266,660
Other On-site Land Releases	3,475,049
Off-site Releases (Transfers Off-site to Disposal)	27,342,321
<b>Total On- and Off-site Releases</b>	<b>59,722,263</b>
Recycled On-site	217,902,230
Recycled Off-site	50,501,079
Energy Recovery On-site	52,342,924
Energy Recovery Off-site	6,085,102
Treated On-site	117,185,581
Treated Off-site	1,064,592
Quantity Released On- and Off-site (excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	57,077,521
<b>Total Production-related Waste Managed</b>	<b>502,159,029</b>
<b>Total Non-production-related Waste Managed</b>	<b>275,781</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air	Surface	Class I	Class II-V	RCRA	Other				
		Emissions	Water Discharges	Wells	Wells	Subtitle C Landfills	On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
67-56-1	Methanol	4,540,856	243,830	857,783	0	0	18,952	0	250	33,135	5,661,671
7664-41-7	Ammonia	4,348,617	143,130	0	0	0	4,260	250	3,473	0	4,499,730
110-54-3	n-Hexane	2,752,095	0	0	0	0	0	4	0	25	2,752,099
108-88-3	Toluene	2,209,387	68	106,107	0	3,000	250	1,247	9,057	14,380	2,329,116
75-15-0	Carbon disulfide	1,984,002	250	0	0	0	0	0	0	0	1,984,252

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# ARKANSAS

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Georgia-Pacific, Ashdown, Little River	942,024	268,348	0	0	0	1,129,465	2,339,837	0	0
U.S. Vanadium Corp., Hot Springs, Garland	1,314,600	31,195	0	0	0	805,500	2,151,295	0	0
Great Lakes Chemical Corp., El Dorado, Union	158,657	0	1,353,046	0	0	0	1,511,703	0	59,935
International Paper, Pine Bluff, Jefferson	1,384,885	17,025	0	0	0	50,700	1,452,610	0	0
Viskase Corp., Osceola, Mississippi	1,314,250	250	0	0	0	0	1,314,500	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Nucor-Yamato Steel Co., Blytheville, Mississippi	0	1,741,666	0	0	0	0	16,631,365	18,373,031	0
Nucor Steel, Blytheville, Mississippi	3,193,000	12,346,800	0	0	0	0	6,544,360	22,084,160	0
U.S. Vanadium Corp., Hot Springs, Garland	1,260,000	0	0	0	0	0	2,151,300	3,411,300	0
Georgia-Pacific, Ashdown, Little River	15,000	0	4,001,500	4,800	26,244,140	0	1,842,501	32,107,941	0
Great Lakes Chemical Corp., El Dorado, Union	0	0	0	0	125,550	0	1,571,091	1,696,641	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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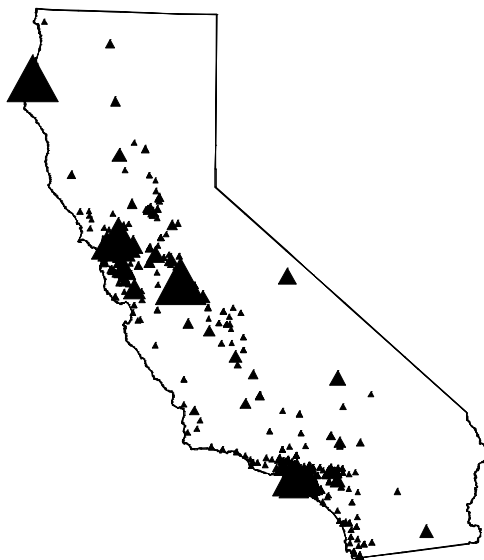
# 1997 TOXICS RELEASE INVENTORY

# CALIFORNIA

## State/TRI Data

Population	32,182,118
Square Miles	155,973
Total Facilities	1,378
Total Forms	3,810
Form As	624

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	21
Pounds	45,150,612
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	20
Pounds	37,055,551
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	22
Pounds	40,199,014
<b>National Rank for Production-related Waste Managed</b>	
Rank	24
Pounds	334,283,186



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of California. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	37,055,551
Air Emissions	31,291,758
Surface Water Discharges	4,274,294
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	414,781
On-site Land Releases to RCRA Subtitle C Landfills	29,707
Other On-site Land Releases	1,045,011
Off-site Releases (Transfers Off-site to Disposal)	8,095,061
<b>Total On- and Off-site Releases</b>	<b>45,150,612</b>
Recycled On-site	55,746,988
Recycled Off-site	76,635,699
Energy Recovery On-site	39,353,765
Energy Recovery Off-site	22,087,802
Treated On-site	77,309,592
Treated Off-site	16,729,705
Quantity Released On- and Off-site	46,419,635
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed</b>	<b>334,283,186</b>
<b>Total Non-production-related Waste Managed</b>	<b>122,957</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
7664-41-7	Ammonia	9,203,285	167,005	0	171,483	750	302,434	232	14,888	27	9,860,077
67-56-1	Methanol	2,562,656	1,518,837	0	187,607	0	47,940	0	1,947	5	4,318,987
	Nitrate compounds	1,097	2,430,014	0	0	0	25,271	0	20	7,820	2,456,402
100-42-5	Styrene	2,051,437	5	0	0	0	0	0	1,219	19	2,052,661
	Glycol ethers	1,652,861	0	0	0	750	0	0	16,534	7,688	1,670,145

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# CALIFORNIA

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Louisiana-Pacific Corp., Samoa, Humboldt	315,255	1,528,210	0	0	0	0	1,843,465	0	0
Foster Farms, Livingston, Merced	1,820,000	0	0	0	0	0	1,820,000	0	0
Exxon Co. USA, Benicia, Solano	815,793	712,510	0	0	0	0	1,528,303	408,867	28
Filtrol Corp., Los Angeles, Los Angeles	1,340,000	25	0	0	0	0	1,340,025	0	0
Tosco Refining Co., Martinez, Contra Costa	1,203,615	73,455	0	0	0	445	1,277,515	18,316	250

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Quemetco Inc., City of Industry, Los Angeles	0	0	0	0	0	0	2,638,000	2,638,000	5,530
Louisiana-Pacific Corp., Samoa, Humboldt	0	0	3,200,000	0	0	0	1,828,810	5,028,810	0
Foster Farms, Livingston, Merced	0	0	0	0	0	0	1,820,000	1,820,000	0
Exxon Co. USA, Benicia, Solano	2,200	2,740	20,700,000	223,336	289,000	408,908	1,528,695	23,154,879	0
Chevron USA Prods. Co., El Segundo, Los Angeles	0	25,506	0	0	312,000	983	1,389,519	1,728,008	8

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

## For More Information...

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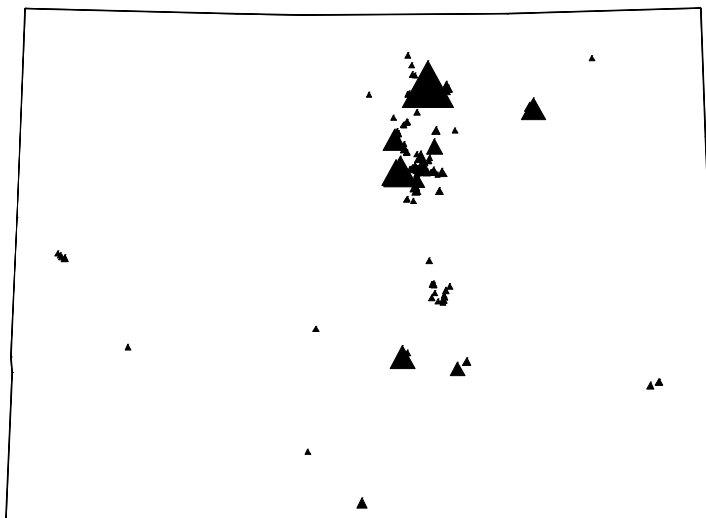
# 1997 TOXICS RELEASE INVENTORY

# COLORADO

## State/TRI Data

Population	3,892,029
Square Miles	103,729
Total Facilities	181
Total Forms	469
Form As	113

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	42
Pounds	5,147,561
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	43
Pounds	4,507,112
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	43
Pounds	5,108,998
<b>National Rank for Production-related Waste Managed</b>	
Rank	42
Pounds	61,994,094



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Colorado. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	4,507,112
Air Emissions	3,474,142
Surface Water Discharges	928,029
Underground Injection Class I Wells	5
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	0
Other On-site Land Releases	104,936
Off-site Releases (Transfers Off-site to Disposal)	640,449
<b>Total On- and Off-site Releases</b>	<b>5,147,561</b>
Recycled On-site	22,745,533
Recycled Off-site	16,314,398
Energy Recovery On-site	209,711
Energy Recovery Off-site	6,087,968
Treated On-site	9,444,535
Treated Off-site	1,847,447
Quantity Released On- and Off-site	5,344,502
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed</b>	<b>61,994,094</b>
<b>Total Non-production-related Waste Managed</b>	<b>37,489</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
7664-41-7	Nitrate Compounds	10	899,229	0	0	0	8	0	0	0	899,247
	Ammonia	642,548	12,656	0	0	0	3,105	5	2,000	0	660,314
71-36-3	n-Butyl alcohol	560,469	0	0	0	0	0	0	1,300	0	561,769
7664-38-2	Glycol ethers	490,845	9,400	0	0	0	0	0	530	0	500,775
	Phosphoric acid	1,631	5	0	0	0	16,000	0	371,845	0	389,481

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# COLORADO

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Kodak, Windsor, Weld	106,957	551,686	0	0	0	902	659,545	0	0
Ball Metal Beverage Container, Golden, Jefferson	410,000	0	0	0	0	0	410,000	1,129	0
Valley Metal Container, Golden, Jefferson	321,000	2	0	0	0	0	321,002	1,783	0
Metal Container Corp., Windsor, Weld	287,540	0	0	0	0	0	287,540	250	0
Holnam Inc., Florence, Fremont	281,397	0	0	0	0	0	281,397	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Kodak, Windsor, Weld	0	39,500	0	0	1,451,410	333,456	659,937	2,484,303	0
Ball Metal Beverage Container, Golden, Jefferson	0	220,000	0	1,416	82,000	29	411,100	714,545	0
Valley Metal Container, Golden, Jefferson	0	28,000	0	0	770,170	0	331,005	1,129,175	0
Coors Brewing Co., Golden, Jefferson	0	4,200	0	0	36,000	1,900	293,200	335,300	3,100
Metal Container Corp., Windsor, Weld	0	0	0	1,420	9,800	30	288,660	299,910	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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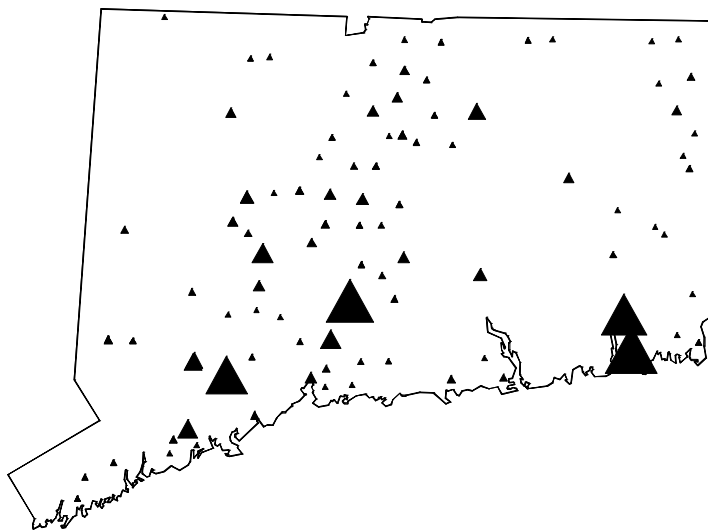
# 1997 TOXICS RELEASE INVENTORY

# CONNECTICUT

## State/TRI Data

Population	3,267,240
Square Miles	4,845
Total Facilities	310
Total Forms	859
Form As	101

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	38
Pounds	9,669,680
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	40
Pounds	6,151,663
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	41
Pounds	7,504,381
<b>National Rank for Production-related Waste Managed</b>	
Rank	31
Pounds	210,532,219



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Connecticut. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	6,151,663
Air Emissions	5,442,235
Surface Water Discharges	670,797
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	5
Other On-site Land Releases	38,626
Off-site Releases (Transfers Off-site to Disposal)	3,518,017
<b>Total On- and Off-site Releases</b>	<b>9,669,680</b>
Recycled On-site	118,391,038
Recycled Off-site	24,579,626
Energy Recovery On-site	3,400,445
Energy Recovery Off-site	2,809,593
Treated On-site	39,959,725
Treated Off-site	10,289,214
Quantity Released On- and Off-site (excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	11,102,578
<b>Total Production-related Waste Managed</b>	<b>210,532,219</b>
<b>Total Non-production-related Waste Managed</b>	<b>30,290</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
75-09-2	Dichloromethane	1,178,869	255	0	0	0	2	0	1,800	18,037	1,180,926
67-56-1	Methanol	729,949	64,481	0	0	0	0	0	0	4,400	794,430
108-88-3	Toluene	668,010	5	0	0	0	0	0	0	739	668,015
	Nitrate compounds	177	457,292	0	0	0	0	0	74,600	522	532,069
7440-50-8	Copper	20,672	1,315	0	0	0	250	6,614	423,585	1,512,541	452,436

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



## 1997 TOXICS RELEASE INVENTORY

## CONNECTICUT

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Pfizer Inc., Groton, New London	462,140	97,220	0	0	0	0	559,360	8,440	49,190
Cytec Ind., Wallingford, New Haven	285,775	224,845	0	0	0	0	510,620	0	522
Dow North America, Gales Ferry, New London	480,501	11	0	0	0	0	480,512	0	3
Spongex Intl., Shelton, Fairfield	440,246	0	0	0	0	0	440,246	0	0
Olin Corp., Waterbury, New Haven	188,005	32	0	0	0	0	188,037	1,636	10,440

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Pfizer Inc., Groton, New London	0	270,000	0	0	4,217,960	6,347,158	4,026,395	14,861,513	323
Cytec Ind., Wallingford, New Haven	71,268,478	0	0	865,515	5,010,515	54,322	510,620	77,709,450	76
Dow North America, Gales Ferry, New London	0	0	1,241,000	0	3,262	1,073,003	481,136	2,798,401	3,500
Spongex Intl., Shelton, Fairfield	0	0	0	0	0	0	440,246	440,246	0
Durham Mfg. Co., Durham, Middlesex	209,970	12,830	0	0	0	7,524	222,800	453,124	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

## For More Information...

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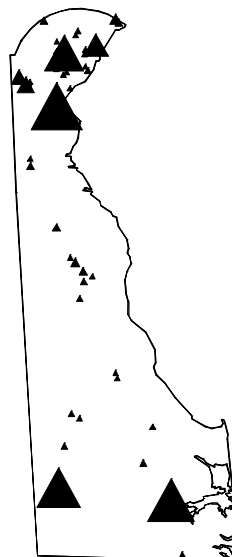
# 1997 TOXICS RELEASE INVENTORY

# DELAWARE

## State/TRI Data

Population	735,143
Square Miles	1,955
Total Facilities	68
Total Forms	255
Form As	35

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	46
Pounds	3,506,833
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	46
Pounds	3,319,493
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	46
Pounds	3,385,106
<b>National Rank for Production-related Waste Managed</b>	
Rank	33
Pounds	141,476,092



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Delaware. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	3,319,493
Air Emissions	2,791,795
Surface Water Discharges	229,709
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	0
Other On-site Land Releases	297,989
Off-site Releases (Transfers Off-site to Disposal)	187,340
<b>Total On- and Off-site Releases</b>	<b>3,506,833</b>
Recycled On-site	32,896,062
Recycled Off-site	10,540,245
Energy Recovery On-site	19,255,280
Energy Recovery Off-site	1,643,031
Treated On-site	68,642,233
Treated Off-site	4,999,545
Quantity Released On- and Off-site	3,499,696
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed</b>	<b>141,476,092</b>
<b>Total Non-production-related Waste Managed</b>	<b>13,626</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
110-54-3	n-Hexane	563,093	0	0	0	0	6	250	0	0	563,349
7647-01-0	Hydrochloric acid	375,086	0	0	0	0	0	0	0	0	375,086
1330-20-7	Xylene (mixed isomers)	309,810	78	0	0	0	0	250	0	0	310,138
	Nickel compounds	2,042	6,700	0	0	0	283,025	250	1,547	6,100	293,564
463-58-1	Carbonyl sulfide	220,000	0	0	0	0	0	0	0	0	220,000

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# DELAWARE

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Star Enterprise, Delaware City, New Castle	244,056	50,769	0	0	0	297,238	572,063	0	26,100
Townsend's Inc., Millsboro, Sussex	516,275	0	0	0	0	0	516,275	0	0
Du Pont, Seaford, Sussex	318,700	151,000	0	0	0	0	469,700	0	11
General Motors Corp., Wilmington, New Castle	420,037	0	0	0	0	0	420,037	1	270
Du Pont, Edgemoor, New Castle	236,698	0	0	0	0	0	236,698	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Star Enterprise, Delaware City, New Castle	0	94,900	17,000,014	427	20,764,890	4	600,022	38,460,257	300
Townsend Inc., Millsboro, Sussex	0	0	0	0	0	0	516,275	516,275	0
Du Pont, Seaford, Sussex	0	0	0	0	40,000	512	469,711	510,223	0
General Motors Corp., Wilmington, New Castle	0	632,100	0	0	125,266	84,993	424,161	1,266,520	0
Du Pont, Edgemoor, New Castle	0	0	0	0	31,340,000	0	236,698	31,576,698	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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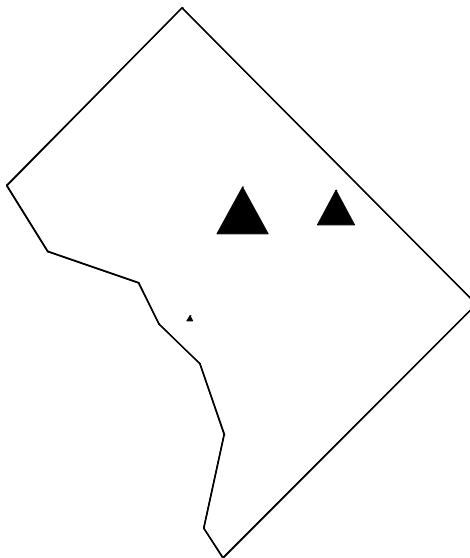
## 1997 TOXICS RELEASE INVENTORY

## DISTRICT OF COLUMBIA

## State/TRI Data

Population	529,895
Square Miles	61
Total Facilities	3
Total Forms	5
Form As	0

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	54
Pounds	6,615
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	54
Pounds	6,615
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	54
Pounds	7,189
<b>National Rank for Production-related Waste Managed</b>	
Rank	53
Pounds	14,421



The largest triangle appearing in the map represents the largest facility for on-site releases in the District of Columbia. All triangles are proportionally-sized to represent the amounts of releases at each facility within this area.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	6,615
Air Emissions	3,310
Surface Water Discharges	5
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	0
Other On-site Land Releases	3,300
Off-site Releases (Transfers Off-site to Disposal)	0
<b>Total On- and Off-site Releases</b>	<b>6,615</b>
Recycled On-site	0
Recycled Off-site	7,500
Energy Recovery On-site	0
Energy Recovery Off-site	0
Treated On-site	303
Treated Off-site	1
Quantity Released On- and Off-site (excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	6,617
<b>Total Production-related Waste Managed</b>	<b>14,421</b>
<b>Total Non-production-related Waste Managed</b>	<b>0</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air	Surface	Class I Wells	Class II-V Wells	RCRA	Other				
		Emissions	Water Discharges			Subtitle C Landfills	On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	
7782-50-5	Chlorine	3,310	5	0	0	0	0	0	0	0	3,315
	Copper compounds	0	0	0	0	0	3,300	0	0	0	3,300
	Nickel compounds	0	0	0	0	0	0	250	0	0	250
7440-50-8	Copper	0	0	0	0	0	0	250	0	0	250
7439-92-1	Lead	0	0	0	0	0	0	74	0	0	74

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



## 1997 TOXICS RELEASE INVENTORY

**DISTRICT OF COLUMBIA****Top Five Facilities for Total On-site Releases**

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
U.S. Army Corps of Engineers, Washington, Dist of Columbia	1,505	0	0	0	0	2,400	3,905	0	0
U.S. Army Corps of Engineers, Washington, Dist of Columbia	1,805	5	0	0	0	900	2,710	0	0
U.S. Bureau of Engraving, Washington, Dist of Columbia	0	0	0	0	0	0	0	0	0

\*The facility ranking is based on the amounts in this column.

**Top Five Facilities for Total Quantity Released On-site and Off-site**

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
U.S. Army Corps of Engineers, Washington, Dist of Columbia	0	0	0	0	0	0	3,900	3,900	0
U.S. Army Corps of Engineers, Washington, Dist of Columbia	0	0	0	0	100	0	2,700	2,800	0
U.S. Bureau of Engraving, Washington, Dist of Columbia	0	7,500	0	0	203	1	17	7,721	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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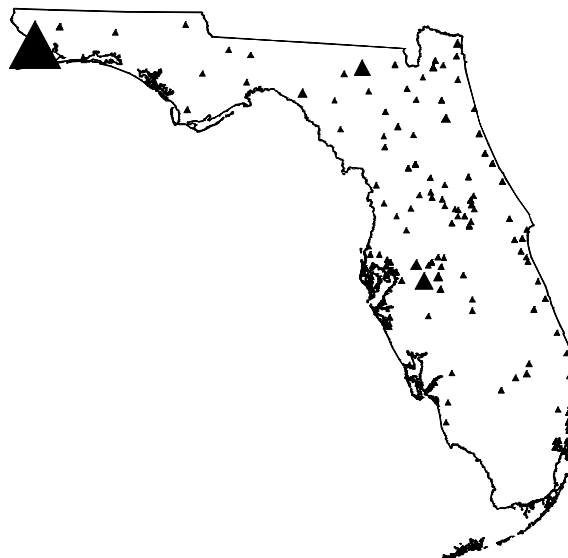
# 1997 TOXICS RELEASE INVENTORY

# FLORIDA

## State/TRI Data

Population	14,677,181
Square Miles	53,997
Total Facilities	519
Total Forms	1,308
Form As	256

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	9
Pounds	95,418,721
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	7
Pounds	88,165,239
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	10
Pounds	90,083,400
<b>National Rank for Production-related Waste Managed</b>	
Rank	21
Pounds	398,891,522



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Florida. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	88,165,239
Air Emissions	32,103,556
Surface Water Discharges	8,636,614
Underground Injection Class I Wells	27,506,942
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	3,552
Other On-site Land Releases	19,914,575
Off-site Releases (Transfers Off-site to Disposal)	7,253,482
<b>Total On- and Off-site Releases</b>	<b>95,418,721</b>
Recycled On-site	142,443,179
Recycled Off-site	15,218,840
Energy Recovery On-site	32,403,559
Energy Recovery Off-site	4,947,217
Treated On-site	108,215,564
Treated Off-site	13,473,106
Quantity Released On- and Off-site	82,190,057
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed</b>	<b>398,891,522</b>
<b>Total Non-production-related Waste Managed</b>	<b>7,154,759</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
7664-38-2	Phosphoric acid	8,665	6,989,760	5	0	0	18,619,057	6,024	0	2	25,623,511
	Nitrate compounds	113,279	875,410	18,000,000	0	0	67,306	0	1,025,216	0	20,081,211
7664-41-7	Ammonia	8,451,899	457,403	775,350	0	0	110,805	0	29,264	0	9,824,721
67-56-1	Methanol	8,990,618	107,000	487,750	0	0	34,550	0	7,336	0	9,627,254
64-18-6	Formic acid	6,700	0	3,800,000	0	0	0	2,452	0	0	3,809,152

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# FLORIDA

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Solutia Inc., Gonzalez, Escambia	253,184	1,821	26,933,162	0	0	0	27,188,167	3,493	23
Mulberry Phosphates Inc., Mulberry, Polk	141,680	7,046,420	0	0	0	0	7,188,100	0	0
PCS Phosphate - White Springs, White Springs, Hamilton	630,010	1,600	0	0	0	5,800,000	6,431,610	0	0
IMC-Agrico Co. New Wales Plant, Mulberry, Polk	997,100	0	0	0	0	3,500,000	4,497,100	0	0
IMC-Agrico Co. Nichols Plant, Mulberry, Polk	2,917,000	370	0	0	0	790,000	3,707,370	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Solutia Inc., Gonzalez, Escambia	74,000	140,000	1,403,400	0	16,000,020	0	27,173,340	44,790,760	2,580
PCS Phosphate - White Springs, White Springs, Hamilton	0	0	0	0	13,000	0	6,430,010	6,443,010	5,000
IMC-Agrico Co. New Wales Plant, Mulberry, Polk	0	0	0	0	0	0	4,498,000	4,498,000	0
IMC-Agrico Co. Nichols Plant, Mulberry, Polk	0	0	0	0	0	0	3,697,800	3,697,800	0
IMC-Agrico Co. South Pierce Plant, Mulberry, Polk	0	0	0	0	23,000	0	3,249,000	3,272,000	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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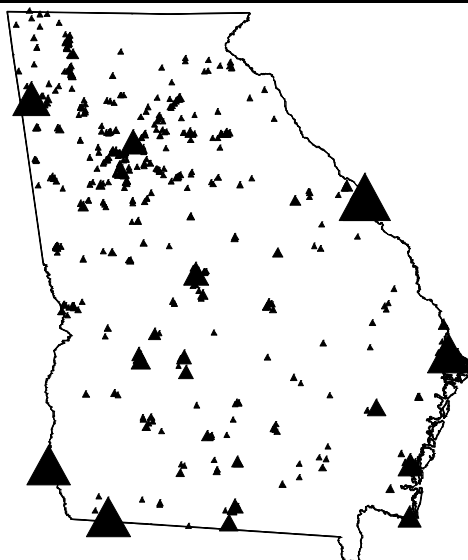
# 1997 TOXICS RELEASE INVENTORY

# GEORGIA

## State/TRI Data

Population	7,489,982
Square Miles	57,919
Total Facilities	709
Total Forms	2,240
Form As	529

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	13
Pounds	71,881,510
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	13
Pounds	58,546,961
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	15
Pounds	60,881,263
<b>National Rank for Production-related Waste Managed</b>	
Rank	13
Pounds	650,761,026



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Georgia. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	58,546,961
Air Emissions	48,218,319
Surface Water Discharges	7,181,085
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	2,070
Other On-site Land Releases	3,145,487
Off-site Releases (Transfers Off-site to Disposal)	13,334,549
<b>Total On- and Off-site Releases</b>	<b>71,881,510</b>
Recycled On-site	289,377,913
Recycled Off-site	56,836,367
Energy Recovery On-site	52,445,180
Energy Recovery Off-site	11,671,644
Treated On-site	165,226,092
Treated Off-site	4,847,787
Quantity Released On- and Off-site	70,356,043
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed</b>	<b>650,761,026</b>
<b>Total Non-production-related Waste Managed</b>	<b>481,339</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
67-56-1	Methanol	12,015,153	342,900	0	0	0	10,140	7,617	101,790	35,003	12,477,600
7664-41-7	Ammonia	6,572,508	214,452	0	0	0	76,283	0	25,415	433	6,888,658
	Nitrate compounds	13,900	5,983,496	0	0	0	288,471	0	750	0	6,286,617
108-88-3	Toluene	3,138,450	699	0	0	0	0	1,262	1,919	38,546	3,142,330
1330-20-7	Xylene (mixed isomers)	3,053,827	45	0	0	0	0	1,024	501	33,451	3,055,397

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# GEORGIA

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
DSM Chemicals N.A. Inc., Augusta, Richmond	1,476,888	2,417,169	0	0	0	0	3,894,057	2,501	0
Engelhard Corp., Attapulgus, Decatur	1,586,082	1,651,075	0	0	0	0	3,237,157	0	0
Great Southern Paper Co., Cedar Springs, Early	2,461,677	81,319	0	0	0	655,933	3,198,929	0	0
Union Camp Corp., Savannah, Chatham	2,775,010	338,670	0	0	0	0	3,113,680	401,800	38,540
Inland Paperboard & Packaging, Rome, Floyd	2,304,938	199,605	0	0	0	169,593	2,674,136	1,300	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Birmingham Southeast LLC, Cartersville, Bartow	0	0	0	0	0	0	5,294,688	5,294,688	0
Southwire Co., Carrollton, Carroll	1,400	370,718	0	77	2,400	190	4,031,540	4,406,325	291,717
DSM Chemicals N.A. Inc., Augusta, Richmond	230,648	0	569,056	0	9,860,037	41,659	3,896,881	14,598,281	0
Union Camp Corp., Savannah, Chatham	193,110	0	3,162,980	267,730	7,090,550	38,540	3,519,660	14,272,570	0
Engelhard Corp., Attapulgus, Decatur	0	0	0	0	0	0	3,237,157	3,237,157	39

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

## For More Information...

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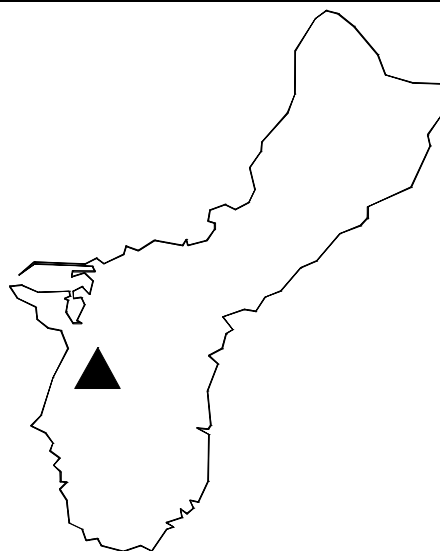
# 1997 TOXICS RELEASE INVENTORY

# GUAM

## State/TRI Data

Population	133,152
Square Miles	210
Total Facilities	1
Total Forms	1
Form As	1

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	55
Pounds	0
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	55
Pounds	0
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	55
Pounds	0
<b>National Rank for Production-related Waste Managed</b>	
Rank	55
Pounds	0



The triangle appearing in the map represents the only facility in Guam that reports to TRI.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	0
Air Emissions	0
Surface Water Discharges	0
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	0
Other On-site Land Releases	0
Off-site Releases (Transfers Off-site to Disposal)	0
<b>Total On- and Off-site Releases</b>	0
Recycled On-site	0
Recycled Off-site	0
Energy Recovery On-site	0
Energy Recovery Off-site	0
Treated On-site	0
Treated Off-site	0
Quantity Released On- and Off-site	0
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed</b>	0
<b>Total Non-production-related Waste Managed</b>	0

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>		<u>On-site Releases to Land</u>				Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# GUAM

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	<u>Underground Injection</u>				<u>On-site Releases to Land</u>			Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds			
U.S. Navy Public Works Center, Santa Rita, Guam	0	0	0	0	0	0	0	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
U.S. Navy Public Works Center, Santa Rita, Guam	0	0	0	0	0	0	0	0	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

## For More Information...

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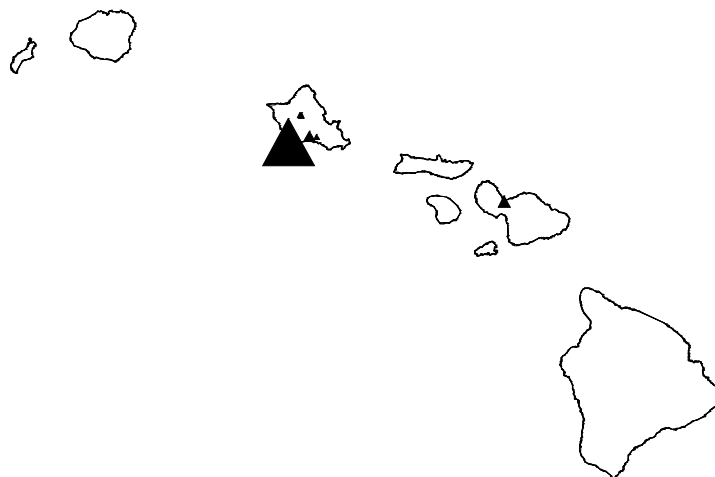
# 1997 TOXICS RELEASE INVENTORY

# HAWAII

## State/TRI Data

Population	1,192,057
Square Miles	6,423
Total Facilities	14
Total Forms	51
Form As	7

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	52
Pounds	452,405
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	51
Pounds	444,040
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	51
Pounds	452,405
<b>National Rank for Production-related Waste Managed</b>	
Rank	51
Pounds	4,118,506



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Hawaii. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	444,040
Air Emissions	409,983
Surface Water Discharges	2,119
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	25,750
On-site Land Releases to RCRA Subtitle C Landfills	0
Other On-site Land Releases	6,188
Off-site Releases (Transfers Off-site to Disposal)	8,365
<b>Total On- and Off-site Releases</b>	<b>452,405</b>
Recycled On-site	40,618
Recycled Off-site	45,511
Energy Recovery On-site	0
Energy Recovery Off-site	616
Treated On-site	3,580,530
Treated Off-site	1,488
Quantity Released On- and Off-site	449,743
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed</b>	<b>4,118,506</b>
<b>Total Non-production-related Waste Managed</b>	<b>938</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
115-07-1	Propylene	78,724	0	0	0	0	0	0	0	0	78,724
71-36-3	n-Butyl alcohol	73,097	0	0	0	0	0	0	1,800	0	74,897
	Glycol ethers	68,009	0	0	0	0	0	0	0	0	68,009
7664-41-7	Ammonia	21,300	1,200	0	25,744	0	5,938	0	0	0	54,182
110-54-3	n-Hexane	48,101	320	0	0	0	0	0	1,100	0	49,521

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# HAWAII

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Chevron Prods. Co., Kapolei, Honolulu	200,488	2,104	0	0	0	0	202,592	6,186	0
Reynolds Metals Co., Kapolei, Honolulu	126,034	0	0	6	0	0	126,040	53	0
Tesoro Hawaii Corp., Kapolei, Honolulu	55,409	0	0	2,089	0	0	57,498	76	0
Maui Pineapple Co. Ltd., Kahului, Maui	0	0	0	23,655	0	5,938	29,593	0	0
U.S. Navy, Pearl Harbor, Honolulu	26,500	0	0	0	0	0	26,500	2,050	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Chevron Prods. Co., Kapolei, Honolulu	33,645	0	0	0	213,662	414	205,396	453,117	888
Reynolds Metals Co., Kapolei, Honolulu	0	39,532	0	0	63,479	0	126,093	229,104	0
Tesoro Hawaii Corp., Kapolei, Honolulu	0	34	0	616	3,302,488	1,074	57,087	3,361,299	0
Maui Pineapple Co. Ltd., Kahului, Maui	0	0	0	0	0	0	29,593	29,593	0
U.S. Navy, Pearl Harbor, Honolulu	0	0	0	0	0	0	29,000	29,000	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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# 1997 TOXICS RELEASE INVENTORY

# IDAHO

## State/TRI Data

Population	1,208,865
Square Miles	82,751
Total Facilities	62
Total Forms	188
Form As	17

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	35
Pounds	17,748,578
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	33
Pounds	17,490,808
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	21
Pounds	43,534,997
<b>National Rank for Production-related Waste Managed</b>	
Rank	34
Pounds	117,950,930



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Idaho. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	17,490,808
Air Emissions	5,346,693
Surface Water Discharges	1,128,221
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	702
Other On-site Land Releases	11,015,192
Off-site Releases (Transfers Off-site to Disposal)	257,770
<b>Total On- and Off-site Releases</b>	<b>17,748,578</b>
Recycled On-site	2,753,590
Recycled Off-site	1,042,715
Energy Recovery On-site	28,600
Energy Recovery Off-site	157,375
Treated On-site	96,279,582
Treated Off-site	711,199
Quantity Released On- and Off-site	16,977,869
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed</b>	<b>117,950,930</b>
<b>Total Non-production-related Waste Managed</b>	<b>56,150</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air	Surface	Class I	Class II-V	RCRA	Other				
		Emissions	Water Discharges	Wells	Wells	Subtitle C Landfills	On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
	Zinc compounds	80,433	4,896	0	0	0	5,110,956	15,522,724	5	1,666	20,719,014
7440-66-6	Zinc (fume or dust)	0	0	0	0	0	0	5,566,105	0	0	5,566,105
7664-41-7	Ammonia	2,947,073	7,598	0	0	0	297,614	0	805	5	3,253,090
7723-14-0	Phosphorus (yellow or white)	615	0	0	0	0	2,581,457	0	0	0	2,582,072
	Manganese compounds	1,014	3,200	0	0	0	490,427	1,738,333	0	0	2,232,974

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# IDAHO

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
FMC Corp., Pocatello, Power	47,418	746	0	0	0	7,761,151	7,809,315	5	1,743
P4 Production L.L.C., Soda Springs, Caribou	198,404	500	0	0	0	2,004,772	2,203,676	0	0
Potlach Corp., Lewiston, Nez Perce	1,154,215	41,860	0	0	0	591,720	1,787,795	0	0
Amalgated Sugar Co. LLC, Paul, Minidoka	1,195,533	0	0	0	0	3,122	1,198,655	0	0
Amalgamated Sugar Co. LLC, Nampa, Canyon	736,577	0	0	0	0	11,485	748,062	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
FMC Corp., Pocatello, Power	0	0	0	0	280,000	6	7,811,099	8,091,105	48
P4 Production L.L.C., Soda Springs, Caribou	0	0	0	0	77,712,100	0	2,177,488	79,889,588	0
Amalgated Sugar Co. LLC, Paul, Minidoka	0	0	0	0	0	0	1,198,655	1,198,655	0
Potlach Corp., Lewiston, Nez Perce	0	0	28,600	0	9,664,620	0	1,090,540	10,783,760	0
Amalgated Sugar Co. LLC, Nampa, Canyon	0	0	0	0	0	8,900	750,000	758,900	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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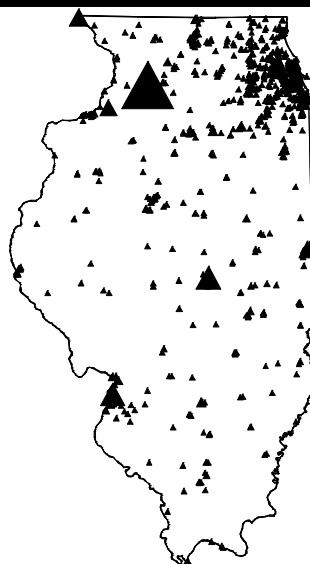
# 1997 TOXICS RELEASE INVENTORY

# ILLINOIS

## State/TRI Data

Population	11,989,352
Square Miles	55,593
Total Facilities	1,289
Total Forms	4,268
Form As	656

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	5
Pounds	127,601,051
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	5
Pounds	94,567,818
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	4
Pounds	134,263,813
<b>National Rank for Production-related Waste Managed</b>	
Rank	3
Pounds	1,373,890,081



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Illinois. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	94,567,818
Air Emissions	65,096,174
Surface Water Discharges	4,854,561
Underground Injection Class I Wells	3,352
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	11,856,367
Other On-site Land Releases	12,757,364
Off-site Releases (Transfers Off-site to Disposal)	33,033,233
<b>Total On- and Off-site Releases</b>	<b>127,601,051</b>
Recycled On-site	314,553,894
Recycled Off-site	92,981,867
Energy Recovery On-site	40,497,594
Energy Recovery Off-site	27,325,176
Treated On-site	764,811,973
Treated Off-site	16,187,464
Quantity Released On- and Off-site	117,532,113
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed</b>	<b>1,373,890,081</b>
<b>Total Non-production-related Waste Managed</b>	<b>252,386</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air	Surface	Class I Wells	Class II-V Wells	RCRA	Other				
		Emissions	Water Discharges			Subtitle C Landfills	On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
7664-41-7	Zinc compounds	737,636	14,547	750	0	8,466,242	5,855,663	8,848,006	10,972,964	5,301,667	34,895,808
	Ammonia	11,607,492	75,736	0	0	0	38,333	42	10,806	107,500	11,732,409
	Manganese compounds	94,750	3,039	0	0	2,216,062	3,926,770	1,356,555	2,449,489	661,293	10,046,665
110-54-3	n-Hexane	9,521,633	14	0	0	0	76	250	255	5	9,522,228
75-15-0	Carbon disulfide	5,377,605	1,434	0	0	0	0	0	20	0	5,379,059

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# ILLINOIS

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	<u>Underground Injection</u>				<u>On-site Releases to Land</u>			Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Northwestern Steel & Wire Co., Sterling, Whiteside	133,650	17,600	0	0	9,980,000	4,829,000	14,960,250	67,600	0
ADM, Decatur, Macon	6,300,750	0	0	0	0	0	6,300,750	0	0
Granite City Steel, Granite City, Madison	235,424	19,072	0	0	0	5,883,751	6,138,247	0	40
IMC Nitrogen Co., East Dubuque, Jo Daviess	4,200,315	53,600	0	0	0	0	4,253,915	0	0
Devro-Teepak Inc., Danville, Vermilion	3,999,658	0	0	0	0	0	3,999,658	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
								Pounds	Pounds
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds		
Northwestern Steel & Wire Co., Sterling, Whiteside	0	0	0	0	630,000	68,450	14,946,600	15,645,050	0
ADM, Decatur, Macon	46,000,000	3,700,000	0	0	0	400,000	6,300,000	56,400,000	0
Granite City Steel, Granite City, Madison	0	0	0	0	2,191,358	1,481	6,138,247	8,331,086	0
Keystone Steel & Wire Co., Peoria, Peoria	0	970,000	0	0	0	0	5,645,000	6,615,000	1,800
Birmingham Steel Corp., Bourbonnais, Kankakee	0	1,045,628	0	0	0	0	5,266,754	6,312,382	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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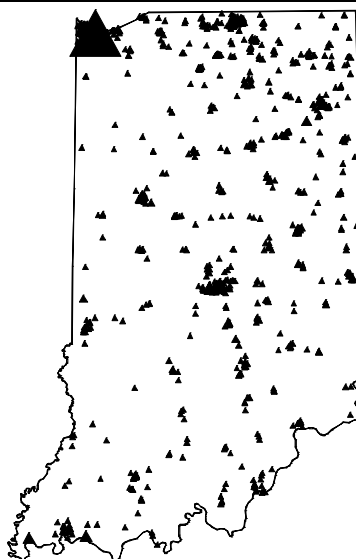
# 1997 TOXICS RELEASE INVENTORY

# INDIANA

## State/TRI Data

Population	5,864,847
Square Miles	35,870
Total Facilities	1,004
Total Forms	3,319
Form As	391

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	6
Pounds	122,548,030
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	9
Pounds	77,939,169
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	6
Pounds	119,881,725
<b>National Rank for Production-related Waste Managed</b>	
Rank	10
Pounds	795,583,873



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Indiana. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	77,939,169
Air Emissions	57,036,975
Surface Water Discharges	2,311,707
Underground Injection Class I Wells	1,262,661
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	518,457
Other On-site Land Releases	16,809,369
Off-site Releases (Transfers Off-site to Disposal)	44,608,861
<b>Total On- and Off-site Releases</b>	<b>122,548,030</b>
Recycled On-site	168,107,111
Recycled Off-site	185,877,776
Energy Recovery On-site	157,374,206
Energy Recovery Off-site	13,195,301
Treated On-site	135,292,880
Treated Off-site	15,822,349
Quantity Released On- and Off-site <i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	119,914,250
<b>Total Production-related Waste Managed</b>	<b>795,583,873</b>
<b>Total Non-production-related Waste Managed</b>	<b>155,904</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
108-88-3	Zinc compounds	344,489	69,370	0	0	84,000	12,219,893	324,118	26,207,430	897,609	39,249,300
	Toluene	7,710,949	399	0	0	12,999	20,704	11,968	113,438	85,077	7,870,457
	Manganese compounds	170,742	18,674	2,100	0	0	2,978,606	40,387	3,544,956	188,688	6,755,465
7664-41-7	Ammonia	5,275,494	79,390	1,069,461	0	0	41,426	6,825	98,128	135,168	6,570,724
1330-20-7	Xylene (mixed isomers)	5,986,132	825	0	0	1,647	12,781	25	59,004	133,186	6,060,414

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# INDIANA

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
U.S. Steel, Gary, Lake	4,713,150	38,105	0	0	0	14,257,650	19,008,905	572,850	77,860
GE Plastics Co., Mount Vernon, Posey	2,542,796	183,494	0	0	0	150	2,726,440	218,778	2,034
Alcoa, Newburgh, Warrick	2,360,943	208,461	0	0	0	54,138	2,623,542	165,600	0
General Motors Corp., Roanoke, Allen	1,841,450	0	0	0	0	0	1,841,450	1,080	22,350
Bethlehem Steel Corp., Burns Harbor, Porter	321,035	40,155	663,200	0	0	392,050	1,416,440	0	93,710

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
U.S. Steel, Gary, Lake	257,844	4,501,402	15,677,000	0	860,602	0	19,117,242	40,414,090	0
Steel Dynamics Inc., Butler, De Kalb	0	0	0	0	0	0	14,895,066	14,895,066	0
Nucor Steel, Crawfordsville, Montgomery	0	118,410	0	0	424,657	30,882	12,438,475	13,012,424	0
GE Plastics Co., Mount Vernon, Posey	0	31	310,000	470,485	29,249,149	30,300	2,959,737	33,019,702	0
Alcoa, Newburgh, Warrick	16,602,000	431,700	12,559,000	4,042	1,473,000	139	2,950,195	34,020,076	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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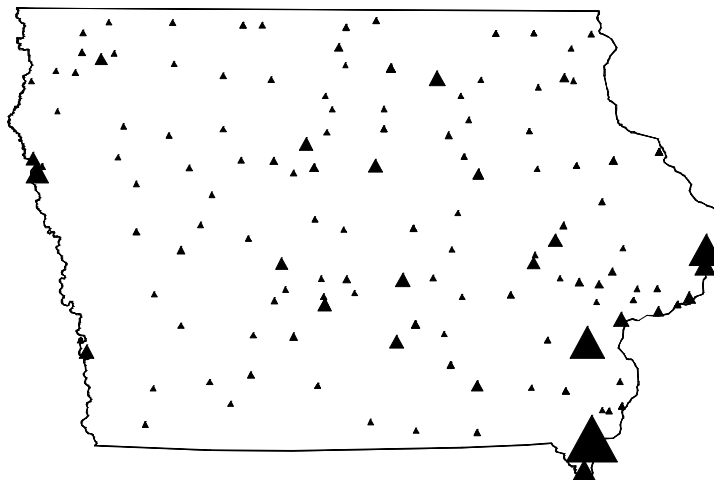
# 1997 TOXICS RELEASE INVENTORY

# IOWA

## State/TRI Data

Population	2,854,330
Square Miles	55,875
Total Facilities	408
Total Forms	1,175
Form As	184

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	24
Pounds	34,196,111
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	26
Pounds	29,040,867
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	28
Pounds	30,056,490
<b>National Rank for Production-related Waste Managed</b>	
Rank	29
Pounds	257,758,087



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Iowa. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	29,040,867
Air Emissions	24,346,264
Surface Water Discharges	2,616,551
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	66,556
Other On-site Land Releases	2,011,496
Off-site Releases (Transfers Off-site to Disposal)	5,155,244
<b>Total On- and Off-site Releases</b>	<b>34,196,111</b>
Recycled On-site	152,237,630
Recycled Off-site	32,048,553
Energy Recovery On-site	1,686,347
Energy Recovery Off-site	3,621,310
Treated On-site	25,903,394
Treated Off-site	10,444,333
Quantity Released On- and Off-site	31,816,520
(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	
<b>Total Production-related Waste Managed</b>	<b>257,758,087</b>
<b>Total Non-production-related Waste Managed</b>	<b>133,929</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
7664-41-7	Ammonia	4,837,825	151,790	0	0	0	1,430	34,589	105,530	1,600	5,131,164
110-54-3	n-Hexane	4,975,723	439	0	0	0	250	0	0	0	4,976,412
1330-20-7	Xylene (mixed isomers)	2,927,087	250	0	0	0	878	10	31	5	2,928,256
	Nitrate compounds	20,030	2,446,246	0	0	0	9,684	0	0	0	2,475,960
108-88-3	Toluene	1,968,830	66	0	0	0	5	28	267	318	1,969,196

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# IOWA

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds			
Climax Molybdenum Co., Fort Madison, Lee	2,721,928	5,711	0	0	0	600	2,728,239	0	0
IBP Inc., Columbus Junction, Louisa	23,930	1,710,500	0	0	0	250	1,734,680	0	0
Equistar Chemicals LP, Clinton, Clinton	1,698,714	0	0	0	0	0	1,698,714	0	0
Griffin Wheel Co., Keokuk, Lee	32,600	0	0	0	0	985,400	1,018,000	0	52,387
Terra Nitrogen, Sergeant Bluff, Woodbury	877,200	103,955	0	0	0	1,010	982,185	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Climax Molybdenum Co., Fort Madison, Lee	2,372,000	0	0	0	500,000	0	2,727,709	5,599,709	0
IBP Inc., Columbus Junction, Louisa	0	0	0	0	356,000	0	1,724,020	2,080,020	68
Equistar Chemicals LP, Clinton, Clinton	0	0	0	694,730	4,506,605	14,209	1,655,732	6,871,276	6,242
North Star Recycling, Wiltonjunction, Muscatine	0	0	0	0	0	0	1,331,796	1,331,796	0
Griffin Wheel Co., Keokuk, Lee	0	0	0	0	0	0	1,072,314	1,072,314	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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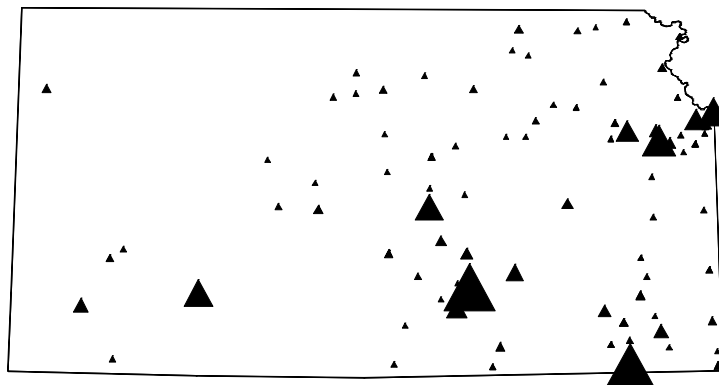
# 1997 TOXICS RELEASE INVENTORY

# KANSAS

## State/TRI Data

Population	2,601,437
Square Miles	81,823
Total Facilities	274
Total Forms	897
Form As	95

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	29
Pounds	26,732,216
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	29
Pounds	22,723,658
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	29
Pounds	29,471,769
<b>National Rank for Production-related Waste Managed</b>	
Rank	22
Pounds	386,476,015



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Kansas. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	22,723,658
Air Emissions	20,100,977
Surface Water Discharges	571,315
Underground Injection Class I Wells	996,103
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	89,549
Other On-site Land Releases	965,714
Off-site Releases (Transfers Off-site to Disposal)	4,008,558
<b>Total On- and Off-site Releases</b>	<b>26,732,216</b>
Recycled On-site	169,145,559
Recycled Off-site	66,696,369
Energy Recovery On-site	88,572,790
Energy Recovery Off-site	3,503,418
Treated On-site	25,239,157
Treated Off-site	5,387,253
Quantity Released On- and Off-site	27,931,469
(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	
<b>Total Production-related Waste Managed</b>	<b>386,476,015</b>
<b>Total Non-production-related Waste Managed</b>	<b>112,956</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
7664-41-7	Lead compounds	4,811	135	0	0	0	35,000	3,809,293	10,112	123,963	3,859,351
	Ammonia	3,258,208	20,131	14,550	0	0	73,681	0	19,428	0	3,385,998
1330-20-7	Xylene (mixed isomers)	2,502,408	122	0	0	0	40	4,860	26,863	5,954	2,534,293
110-54-3	n-Hexane	2,103,346	55	0	0	0	14	0	253	0	2,103,668
	Manganese compounds	44,353	0	0	0	499	250	630	1,840,610	7,550	1,886,342

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# KANSAS

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Boeing Co., Wichita, Sedgwick	1,907,305	56,255	0	0	0	0	1,963,560	4,550	224,880
Farmland Ind. Inc., Coffeyville, Montgomery	1,836,536	1,783	0	0	0	0	1,838,319	0	0
Farmland Ind Inc., Lawrence, Douglas	869,384	335,800	0	0	0	300	1,205,484	0	0
MLCG-Fairfax Assembly, Kansas City, Wyandotte	1,089,901	0	0	0	0	0	1,089,901	480	14,400
Farmland Ind. Inc., Dodge City, Ford	1,001,490	0	0	0	0	3,680	1,005,170	0	8,200

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Boeing Co., Wichita, Sedgwick	0	5,926,000	0	597,650	616,370	165,375	2,145,735	9,451,130	0
Inspec USA Inc., Galena, Cherokee	8,024,530	0	0	345,900	1,433	12,618	1,937,170	10,321,651	0
Farmland Ind. Inc., Coffeyville, Montgomery	0	1	0	1,014	0	0	1,837,741	1,838,756	848
A.O. Smith Engineered Prods., Parsons, Labette	0	0	0	0	0	0	1,305,300	1,305,300	0
Farmland Ind Inc., Lawrence, Douglas	57,000,000	0	2,691,000	0	3,434,000	0	1,205,480	64,330,480	1,200

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

## For More Information...

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# 1997 TOXICS RELEASE INVENTORY

# KENTUCKY

## State/TRI Data

Population	3,910,366
Square Miles	39,732
Total Facilities	423
Total Forms	1,620
Form As	194

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	20
Pounds	47,301,191
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	19
Pounds	38,745,704
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	19
Pounds	44,676,453
<b>National Rank for Production-related Waste Managed</b>	
Rank	14
Pounds	639,134,398



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Kentucky. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	38,745,704
Air Emissions	35,133,354
Surface Water Discharges	669,063
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	209,524
Other On-site Land Releases	2,733,763
Off-site Releases (Transfers Off-site to Disposal)	8,555,487
<b>Total On- and Off-site Releases</b>	<b>47,301,191</b>
Recycled On-site	326,907,570
Recycled Off-site	50,962,133
Energy Recovery On-site	58,010,928
Energy Recovery Off-site	7,504,357
Treated On-site	142,280,834
Treated Off-site	10,806,098
Quantity Released On- and Off-site	42,662,478
(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	
<b>Total Production-related Waste Managed</b>	<b>639,134,398</b>
<b>Total Non-production-related Waste Managed</b>	<b>322,056</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
108-88-3	Toluene	5,602,482	613	0	0	0	6,432	10,886	1,493	4	5,621,906
67-56-1	Methanol	4,389,455	186,171	0	0	0	5,600	378	1	0	4,581,605
75-45-6	Chlorodifluoromethane (HCFC-22)	3,522,012	0	0	0	0	0	0	0	0	3,522,012
110-54-3	n-Hexane	2,976,070	240	0	0	0	2,905	0	2,385	0	2,981,600
1330-20-7	Xylene (mixed isomers)	2,426,476	292	0	0	0	840	1,500	305	94	2,429,413

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# KENTUCKY

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Du Pont, Louisville, Jefferson	3,233,576	0	0	0	0	0	3,233,576	0	5,617
American Synthetic Rubber, Louisville, Jefferson	3,191,310	0	0	0	0	0	3,191,310	1,280	0
Air Prods. & Chemicals Inc., Calvert City, Marshall	2,275,858	78,553	0	0	0	0	2,354,411	0	0
Toyota Motor Mfg. Kentucky, Georgetown, Scott	1,700,805	1,091	0	0	31,218	44,001	1,777,115	45,628	41,280
Imco Recycling Inc., Morgantown, Butler	31,228	0	0	0	0	1,631,400	1,662,628	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Du Pont, Louisville, Jefferson	0	0	0	0	0	19,277	3,222,673	3,241,950	11,000
American Synthetic Rubber, Louisville, Jefferson	360,000	0	0	35,000	142,000	300	3,191,105	3,728,405	275
Air Prods. & Chemicals Inc., Calvert City, Marshall	0	0	0	0	3,033,000	874,579	2,374,318	6,281,897	0
Toyota Motor Mfg. Kentucky, Georgetown, Scott	0	3,900,670	957,700	252,110	192,000	37,829	2,145,544	7,485,853	0
Imco Recycling Inc., Morgantown, Butler	0	0	0	0	0	0	1,631,400	1,631,400	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

## For More Information...

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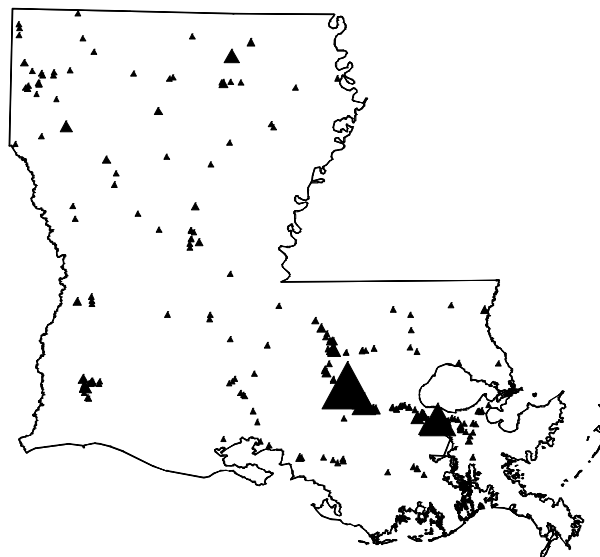
# 1997 TOXICS RELEASE INVENTORY

# LOUISIANA

## State/TRI Data

Population	4,353,646
Square Miles	43,566
Total Facilities	293
Total Forms	2,086
Form As	180

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	2
Pounds	186,038,253
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	2
Pounds	183,777,629
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	3
Pounds	189,413,085
<b>National Rank for Production-related Waste Managed</b>	
Rank	2
Pounds	2,394,518,323



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Louisiana. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	183,777,629
Air Emissions	74,838,852
Surface Water Discharges	46,909,318
Underground Injection Class I Wells	54,243,582
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	4,256
Other On-site Land Releases	7,781,621
Off-site Releases (Transfers Off-site to Disposal)	2,260,624
<b>Total On- and Off-site Releases</b>	<b>186,038,253</b>
Recycled On-site	746,853,862
Recycled Off-site	55,863,841
Energy Recovery On-site**	528,113,029
Energy Recovery Off-site	14,703,797
Treated On-site	858,448,408
Treated Off-site	10,741,231
Quantity Released On- and Off-site	179,794,155
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed**</b>	<b>2,394,518,323</b>
<b>Total Non-production-related Waste Managed</b>	<b>2,576,537</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air	Surface	Class I	Class II-V	RCRA	Other				
		Emissions	Water Discharges	Wells	Wells	Subtitle C Landfills	On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
7664-38-2	Phosphoric acid	19,744	36,502,118	13,000	0	0	1,430,276	2,256	0	149	37,967,394
7664-41-7	Ammonia	22,357,010	674,835	9,045,486	0	0	7,630	73,532	80,854	48,290	32,239,347
67-56-1	Methanol	16,312,357	254,231	3,480,050	0	0	320,119	37,456	82,544	1,258	20,486,757
	Nitrate compounds	0	8,615,986	5,880,800	0	0	750	453,638	1,153	0	14,952,327
50-00-0	Formaldehyde	338,220	17,786	9,585,025	0	0	227	2,618	965	0	9,944,841

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.

\*\*One facility, Shell Chemical Co. in Geismar, LA, reported on-site energy recovery of 193,830,000 pounds of ethylene in 1997. The facility has since revised this quantity to 13,000,000 pounds. For Louisiana, this changes on-site energy recovery to 347,283,029 pounds and total production-related waste managed to 2,213,688,323 pounds. Louisiana's rank for total production-related waste managed remains unchanged.



# 1997 TOXICS RELEASE INVENTORY

# LOUISIANA

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	<u>Underground Injection</u>				<u>On-site Releases to Land</u>			Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
PCS Nitrogen Fertilizer L.P., Geismar, Ascension	1,827,636	29,775,103	0	0	0	643,860	32,246,599	0	0
Cytec Ind. Inc., Westwego, Jefferson	787,671	37,984	20,076,300	0	0	0	20,901,955	43,389	0
IMC-Agrico Co., Saint James, St James	7,246,200	4,982,487	0	0	0	364,286	12,592,973	0	0
Monsanto-Luling, Luling, St. Charles	101,309	202,521	9,629,000	0	0	0	9,932,830	0	16,000
Rubicon Inc., Geismar, Ascension	766,602	174	8,607,000	0	0	0	9,373,776	371,856	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
PCS Nitrogen Fertilizer L.P., Geismar, Ascension	0	64,000	0	0	1,325,128	0	32,246,379	33,635,507	220
Cytec Ind. Inc., Westwego, Jefferson	8,851,293	9	21,077,585	6,302	19,095,871	158	20,477,248	69,508,466	0
IMC-Agrico Co., Saint James, St James	0	0	3,582,784	0	11,553	5,888	12,592,974	16,193,199	0
Monsanto-Luling, Luling, St. Charles	0	290,000	0	0	30,985,300	47,100	9,884,610	41,207,010	0
Rubicon Inc., Geismar, Ascension	0	0	13,403,000	0	810,000	657,586	9,446,540	24,317,126	354,595

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

## For More Information...

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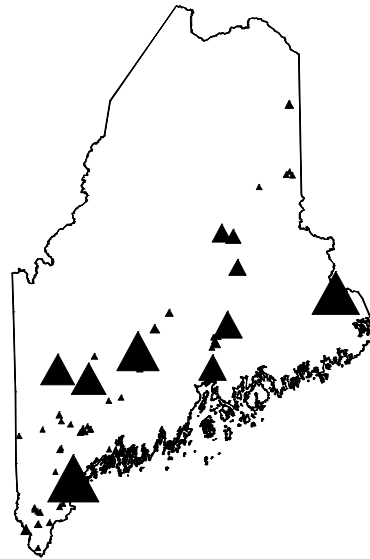
# 1997 TOXICS RELEASE INVENTORY

# MAINE

## State/TRI Data

Population	1,241,895
Square Miles	30,865
Total Facilities	84
Total Forms	307
Form As	33

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	37
Pounds	9,769,983
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	38
Pounds	7,962,190
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	38
Pounds	9,259,099
<b>National Rank for Production-related Waste Managed</b>	
Rank	37
Pounds	98,732,606



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Maine. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	7,962,190
Air Emissions	6,627,367
Surface Water Discharges	996,800
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	67,994
Other On-site Land Releases	270,029
Off-site Releases (Transfers Off-site to Disposal)	1,807,793
<b>Total On- and Off-site Releases</b>	<b>9,769,983</b>
Recycled On-site	10,624,371
Recycled Off-site	6,281,909
Energy Recovery On-site	8,327,078
Energy Recovery Off-site	376,338
Treated On-site	63,134,599
Treated Off-site	654,189
Quantity Released On- and Off-site	9,334,122
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed</b>	<b>98,732,606</b>
<b>Total Non-production-related Waste Managed</b>	<b>2,905</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air	Surface	Class I Wells	Class II-V Wells	RCRA	Other				
		Emissions	Water Discharges			Subtitle C Landfills	On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
67-56-1	Methanol	2,179,591	209,040	0	0	4,000	10,523	334	4,010	7,584	2,407,498
7664-93-9	Sulfuric acid	916,426	0	0	0	0	0	0	0	0	916,426
7647-01-0	Hydrochloric acid	914,932	0	0	0	0	0	0	0	0	914,932
7664-41-7	Ammonia	731,688	42,610	0	0	0	0	0	0	0	774,298
	Zinc compounds	18,139	9,842	0	0	0	166,498	18,492	487,484	346,710	700,455

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# MAINE

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	<u>Underground Injection</u>				<u>On-site Releases to Land</u>			Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds			
S.D. Warren Co., Westbrook, Cumberland	1,146,146	51,074	0	0	0	4,200	1,201,420	1,820	13,733
Georgia-Pacific Corp., Woodland, Washington	742,305	276,460	0	0	67,994	0	1,086,759	0	0
Sappi Fine Paper N.A., Skowhegan, Somerset	966,783	6,869	0	0	0	1	973,653	0	0
International Paper, Jay, Franklin	529,675	150,700	0	0	0	69,915	750,290	0	0
Mead Corp., Rumford, Oxford	629,562	114,371	0	0	0	0	743,933	704,939	420,300

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Mead Corp., Rumford, Oxford	0	0	1,813,000	0	12,206,300	416,400	1,451,960	15,887,660	130
S.D. Warren Co., Westbrook, Cumberland	5,416,000	0	248,057	41,400	5,403,600	9	1,225,850	12,334,916	0
Georgia-Pacific Corp., Woodland, Washington	0	0	0	0	8,790,050	0	1,086,661	9,876,711	0
Sappi Fine Paper N.A., Skowhegan, Somerset	0	0	375,000	0	10,103,400	0	984,456	11,462,856	0
International Paper, Jay, Franklin	0	0	6,671	0	11,812,900	0	748,480	12,568,051	50

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

## For More Information...

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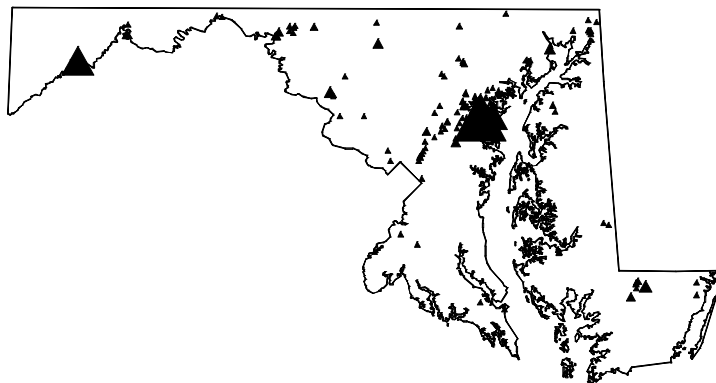
# 1997 TOXICS RELEASE INVENTORY

# MARYLAND

## State/TRI Data

Population	5,094,924
Square Miles	9,775
Total Facilities	193
Total Forms	594
Form As	132

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	36
Pounds	13,699,344
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	35
Pounds	12,516,769
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	35
Pounds	13,305,703
<b>National Rank for Production-related Waste Managed</b>	
Rank	38
Pounds	87,576,899



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Maryland. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	12,516,769
Air Emissions	7,843,147
Surface Water Discharges	2,026,236
Underground Injection Class I Wells	1
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	15
Other On-site Land Releases	2,647,370
Off-site Releases (Transfers Off-site to Disposal)	1,182,575
<b>Total On- and Off-site Releases</b>	<b>13,699,344</b>
Recycled On-site	13,446,585
Recycled Off-site	5,172,039
Energy Recovery On-site	15,084,938
Energy Recovery Off-site	1,112,858
Treated On-site	29,935,385
Treated Off-site	9,324,872
Quantity Released On- and Off-site	13,500,222
(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	
<b>Total Production-related Waste Managed</b>	<b>87,576,899</b>
<b>Total Non-production-related Waste Managed</b>	<b>103,173</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
463-58-1  67-56-1  1330-20-7	Manganese compounds	28,886	169,664	0	0	0	2,145,336	1,933	36,692	28,068	2,382,511
	Nitrate compounds	10	1,746,475	0	0	0	88,199	87,000	1,870	6	1,923,554
	Carbonyl sulfide	1,349,000	0	0	0	0	0	0	0	0	1,349,000
	Methanol	852,882	0	0	0	0	0	0	7	0	852,889
	Xylene (mixed isomers)	639,006	9	0	0	0	0	260	1	0	639,276

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# MARYLAND

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Millennium Inorganic Chemicals, Baltimore, Baltimore City	1,116,911	150,000	0	0	0	1,330,000	2,596,911	0	0
Grace Davison, Baltimore, Baltimore City	225,125	1,309,261	0	0	0	0	1,534,386	8,127	31,360
Westvaco Corp., Luke, Allegany	1,462,955	0	0	0	0	5,901	1,468,856	248,500	0
Bethlehem Steel Corp., Sparrows Point, Baltimore	127,105	98,400	0	0	0	1,048,700	1,274,205	0	141,250
General Motors Corp., Baltimore, Baltimore City	659,384	1,253	0	0	0	0	660,637	270	19,201

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Millennium Inorganic Chemicals, Baltimore, Baltimore City	0	0	0	0	3,800,000	0	2,602,503	6,402,503	0
Westvaco Corp., Luke, Allegany	0	0	13,311,500	0	2,143,000	1,951,700	1,715,620	19,121,820	0
Grace Davison, Baltimore, Baltimore City	5,846,000	0	0	0	5,143,000	0	1,574,103	12,563,103	0
Bethlehem Steel Corp., Sparrows Point, Baltimore	0	27	0	0	0	0	1,413,700	1,413,727	0
General Motors Corp., Baltimore, Baltimore City	0	662,670	0	0	165,822	6,731	689,022	1,524,245	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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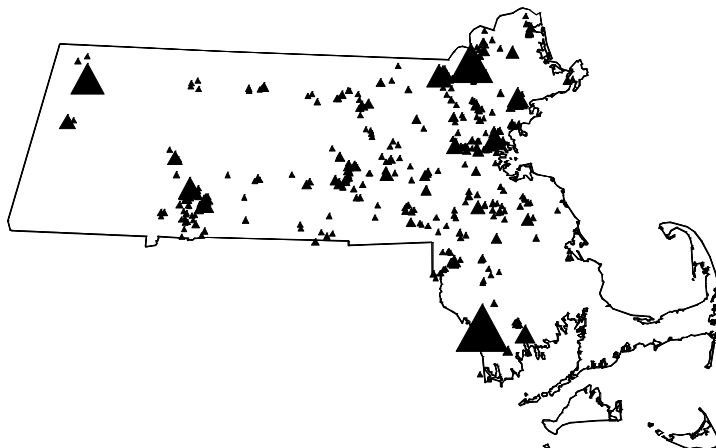
## 1997 TOXICS RELEASE INVENTORY

# MASSACHUSETTS

### State/TRI Data

Population	6,114,440
Square Miles	7,838
Total Facilities	475
Total Forms	1,307
Form As	160

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	41
Pounds	7,053,410
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	41
Pounds	5,717,563
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	42
Pounds	6,645,656
<b>National Rank for Production-related Waste Managed</b>	
Rank	36
Pounds	100,313,099



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Massachusetts. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

### Reported Releases and Waste Management Activities

	Pounds
On-site Releases	5,717,563
Air Emissions	5,620,129
Surface Water Discharges	49,400
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	8,430
Other On-site Land Releases	39,604
Off-site Releases (Transfers Off-site to Disposal)	1,335,847
<b>Total On- and Off-site Releases</b>	<b>7,053,410</b>
Recycled On-site	18,197,626
Recycled Off-site	29,715,353
Energy Recovery On-site	6,763,717
Energy Recovery Off-site	5,337,558
Treated On-site	22,952,311
Treated Off-site	10,749,906
Quantity Released On- and Off-site (excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	6,596,628
<b>Total Production-related Waste Managed</b>	<b>100,313,099</b>
<b>Total Non-production-related Waste Managed</b>	<b>47,650</b>

### Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
108-88-3	Toluene	1,625,237	0	0	0	7	0	1,556	14,994	21,803	1,641,794
78-93-3	Methyl ethyl ketone	476,380	0	0	0	30	6,664	12,737	9,806	17,737	505,617
79-01-6	Trichloroethylene	496,662	6	0	0	0	0	370	750	9,827	497,788
67-56-1	Methanol	408,044	0	0	0	1	400	11,079	22,003	6,957	441,527
75-09-2	Dichloromethane	347,283	0	0	0	4	3,788	9,281	0	8,495	360,356

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



## 1997 TOXICS RELEASE INVENTORY

## MASSACHUSETTS

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Globe Mfg. Co., Fall River, Bristol	429,050	0	0	0	0	0	429,050	348	48,050
Crown Cork & Seal Co. Inc., Lawrence Essex	348,276	0	0	0	0	0	348,276	5	250
Polyfibron Techs. Inc., Adams, Berkshire	258,827	0	0	0	0	0	258,827	0	0
Ideal Tape Co., Lowell, Middlesex	177,317	0	0	0	0	0	177,317	0	0
Hub Fabric Leather Co. Inc., Everett, Middlesex	169,336	0	0	0	0	0	169,336	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Globe Mfg. Co., Fall River, Bristol	5,353,300	0	0	50,273	0	49,551	430,198	5,883,322	0
Crown Cork & Seal Co. Inc., Lawrence Essex	0	0	0	0	65,000	7	340,210	405,217	0
Polyfibron Techs. Inc., Adams, Berkshire	895,000	0	0	36,000	60,500	0	258,800	1,250,300	0
Ideal Tape Co., Lowell, Middlesex	1,295,523	486,727	0	271,403	0	0	177,317	2,230,970	0
Hub Fabric Leather Co. Inc., Everett, Middlesex	0	0	0	0	0	0	169,336	169,336	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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## 1997 TOXICS RELEASE INVENTORY

# MICHIGAN

### State/TRI Data

Population	9,779,984
Square Miles	56,809
Total Facilities	904
Total Forms	3,208
Form As	375

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	11
Pounds	85,281,920
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	15
Pounds	53,067,487
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	8
Pounds	97,423,607
<b>National Rank for Production-related Waste Managed</b>	
Rank	7
Pounds	866,093,757



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Michigan. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

### Reported Releases and Waste Management Activities

	Pounds
On-site Releases	53,067,487
Air Emissions	44,346,088
Surface Water Discharges	529,145
Underground Injection Class I Wells	5,596,855
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	72,864
Other On-site Land Releases	2,522,535
Off-site Releases (Transfers Off-site to Disposal)	32,214,433
<b>Total On- and Off-site Releases</b>	<b>85,281,920</b>
Recycled On-site	378,336,073
Recycled Off-site	128,073,875
Energy Recovery On-site	83,687,074
Energy Recovery Off-site	67,480,236
Treated On-site	89,642,433
Treated Off-site	38,111,751
Quantity Released On- and Off-site	80,762,315
(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	
<b>Total Production-related Waste Managed</b>	<b>866,093,757</b>
<b>Total Non-production-related Waste Managed</b>	<b>304,376</b>

### Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
	Zinc compounds	217,003	3,545	18,328	0	13,300	6,910	1,749,733	20,412,267	251,758	22,421,086
67-56-1	Methanol	4,329,507	159,984	4,506,256	0	0	6,557	2,326	640	4,143	9,005,270
1330-20-7	Xylene (mixed isomers)	7,141,422	38	27	0	0	0	21,020	4,871	5,102	7,167,378
108-88-3	Toluene	6,770,172	387	6,142	0	0	3,022	17,609	35,327	2,413	6,832,659
7439-96-5	Manganese	72,813	925	0	0	0	914,808	95,127	3,638,032	94,659	4,721,705

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# MICHIGAN

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds			
Pharmacia & Upjohn Co., Portage, Kalamazoo	195,247	84,435	3,653,879	0	0	0	3,933,561	15,690	20,889
American Tape Co., Marysville, St Clair	3,200,046	0	0	0	0	0	3,200,046	250	1,985
Holnam Inc., Dundee, Monroe	3,147,134	0	0	0	0	0	3,147,134	0	0
Warner-Lambert Co., Holland, Ottawa	280,986	0	1,915,310	0	0	0	2,196,296	12,430	0
Fibermark Inc., Rochester, Oakland	1,617,001	0	0	0	0	0	1,617,001	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Rouge Steel Co., Dearborn, Wayne	0	3,043,300	0	0	0	0	13,430,800	16,474,100	0
National Steel Corp., Ecorse, Wayne	3,266,324	3,104	0	125	29,000	58,599	8,038,012	11,395,164	0
Pharmacia & Upjohn Co., Portage, Kalamazoo	0	0	135,310	20,439,743	1,359,453	5,344,639	3,955,383	31,234,528	8,168
American Tape Co., Marysville, St Clair	14,106,716	0	0	0	0	63,860	3,202,330	17,372,906	0
Holnam Inc., Dundee, Monroe	0	0	0	0	0	0	3,147,134	3,147,134	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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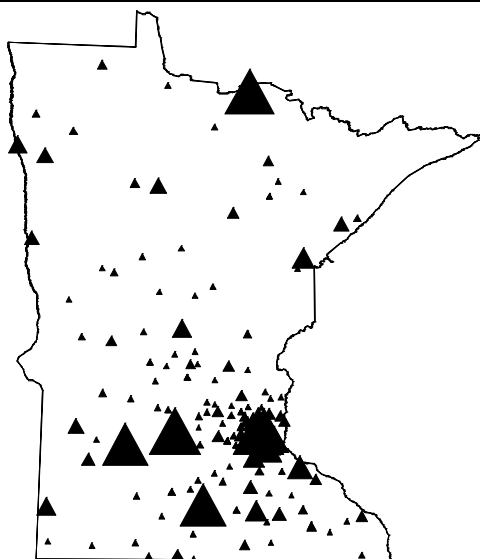
# 1997 TOXICS RELEASE INVENTORY

# MINNESOTA

## State/TRI Data

Population	4,687,408
Square Miles	79,617
Total Facilities	472
Total Forms	1,277
Form As	251

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	33
Pounds	20,166,465
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	32
Pounds	17,598,614
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	34
Pounds	18,651,945
<b>National Rank for Production-related Waste Managed</b>	
Rank	28
Pounds	259,705,844



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Minnesota. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	17,598,614
Air Emissions	17,023,305
Surface Water Discharges	324,718
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	250
Other On-site Land Releases	250,341
Off-site Releases (Transfers Off-site to Disposal)	2,567,851
<b>Total On- and Off-site Releases</b>	<b>20,166,465</b>
Recycled On-site	161,863,212
Recycled Off-site	21,296,995
Energy Recovery On-site	8,016,186
Energy Recovery Off-site	2,359,251
Treated On-site	34,693,861
Treated Off-site	10,884,199
Quantity Released On- and Off-site	20,592,140
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed</b>	<b>259,705,844</b>
<b>Total Non-production-related Waste Managed</b>	<b>28,193</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
108-88-3	Toluene	2,235,464	107	0	0	0	0	700	1,152	284	2,237,423
110-54-3	n-Hexane	2,185,071	9	0	0	250	0	0	0	51	2,185,330
1330-20-7	Xylene (mixed isomers)	2,054,464	188	0	0	0	0	0	19,009	0	2,073,661
67-56-1	Methanol	1,746,881	426	0	0	0	2,500	0	2,402	0	1,752,209
7664-41-7	Ammonia	1,608,999	93,155	0	0	0	11,120	0	24,632	0	1,737,906

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# MINNESOTA

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	<u>Underground Injection</u>				<u>On-site Releases to Land</u>			Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds			
3M, Hutchinson, Mc Leod	892,800	0	0	0	0	0	892,800	10,100	8,100
Ford Motor Co., Saint Paul, Ramsey	883,980	0	0	0	0	0	883,980	360	4,467
Boise Cascade Corp., International Falls, Koochiching	671,582	123,440	0	0	0	49,648	844,670	0	0
Cenex Harvest States Co-Op., Mankato, Blue Earth	789,000	0	0	0	250	0	789,250	0	0
Southern Minnesota Beet Sugar, Renville, Renville	778,989	0	0	0	0	7,943	786,932	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
North Star Recycling, Saint Paul, Ramsey	0	0	0	0	0	0	1,257,613	1,257,613	0
3M, Hutchinson, Mc Leod	20,930,000	1,141,327	0	152,620	3,241,000	314,600	905,457	26,685,004	0
Ford Motor Co., Saint Paul, Ramsey	0	869,900	115,300	0	155,203	34,300	887,100	2,061,803	0
Boise Cascade Corp., International Falls, Koochiching	0	0	2,500,000	0	7,568,000	0	839,420	10,907,420	0
Cenex Harvest States Co-Op., Mankato, Blue Earth	0	20,100	0	0	12,750	400	790,000	823,250	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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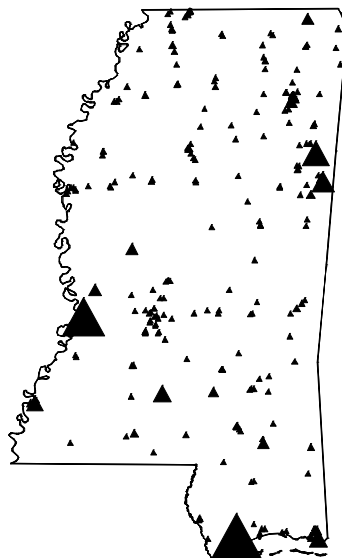
## 1997 TOXICS RELEASE INVENTORY

# MISSISSIPPI

### State/TRI Data

Population	2,731,644
Square Miles	46,914
Total Facilities	310
Total Forms	1,065
Form As	166

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	14
Pounds	66,166,071
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	12
Pounds	64,639,656
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	13
Pounds	65,446,503
<b>National Rank for Production-related Waste Managed</b>	
Rank	18
Pounds	503,202,429



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Mississippi. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

### Reported Releases and Waste Management Activities

	Pounds
On-site Releases	64,639,656
Air Emissions	38,040,435
Surface Water Discharges	11,945,812
Underground Injection Class I Wells	8,544,641
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	3,331
Other On-site Land Releases	6,105,437
Off-site Releases (Transfers Off-site to Disposal)	1,526,415
<b>Total On- and Off-site Releases</b>	<b>66,166,071</b>
Recycled On-site	223,048,853
Recycled Off-site	20,31,877
Energy Recovery On-site	23,640,421
Energy Recovery Off-site	3,957,984
Treated On-site	166,301,942
Treated Off-site	1,660,949
Quantity Released On- and Off-site	64,275,403
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed</b>	<b>503,202,429</b>
<b>Total Non-production-related Waste Managed</b>	<b>167,222</b>

### Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
	Manganese compounds	20,024	149,148	7,400,000	0	0	5,022,125	780	138,094	0	12,730,171
	Nitrate compounds	0	11,162,639	0	0	0	0	0	68,866	600	11,231,505
67-56-1	Methanol	7,602,694	160,995	75,989	0	0	6,800	0	7,000	0	7,853,478
108-88-3	Toluene	4,489,512	6,278	5,120	0	421	0	0	250	15,743	4,501,581
7664-41-7	Ammonia	4,161,037	208,550	0	0	0	112,957	8	0	0	4,482,552

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



## 1997 TOXICS RELEASE INVENTORY

# MISSISSIPPI

### Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Du Pont, Pass Christian, Harrison	1,980,820	0	8,448,000	0	0	0	10,428,820	0	0
Vicksburg Chemical Co., Vicksburg, Warren	94,915	8,139,102	0	0	0	0	8,234,017	0	0
Kerr-McGee Chemical LLC, Hamilton, Monroe	172,405	16,850	0	0	0	4,652,000	4,841,255	0	0
Gencorp, Columbus, Lowndes	3,837,015	5	0	0	0	0	3,837,020	51,855	0
Georgia-Pacific Corp., Monticello, Lawrence	2,169,330	235,853	0	0	0	429,077	2,834,260	0	0

\*The facility ranking is based on the amounts in this column.

### Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Du Pont, Pass Christian, Harrison	0	0	0	0	7,920,000	18,000	10,428,820	18,366,820	0
Vicksburg Chemical Co., Vicksburg, Warren	332,040	0	0	0	5,083,299	0	8,234,017	13,649,356	100
Kerr-McGee Chemical LLC, Hamilton, Monroe	276,000	47,000	0	0	313,000	0	4,818,300	5,454,300	0
Gencorp, Columbus, Lowndes	1,675,400	0	0	87,100	361,000	3,873	3,898,800	6,026,173	0
Georgia-Pacific Corp., Monticello, Lawrence	0	0	0	0	7,087,395	0	2,834,260	9,921,655	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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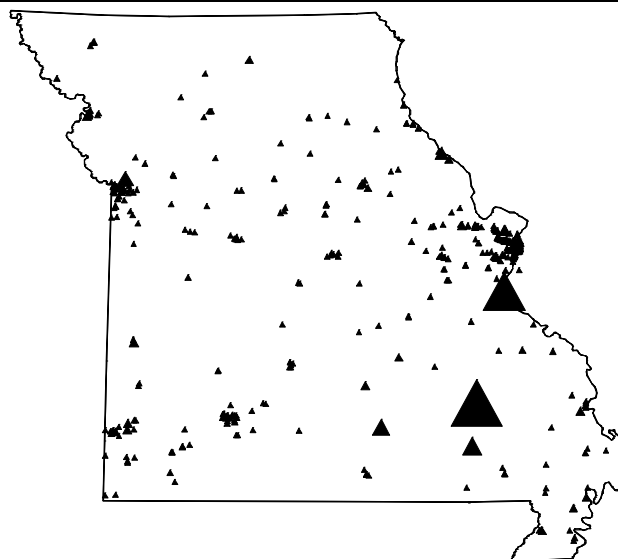
# 1997 TOXICS RELEASE INVENTORY

# MISSOURI

## State/TRI Data

Population	5,408,455
Square Miles	68,898
Total Facilities	553
Total Forms	1,877
Form As	320

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	15
Pounds	62,823,986
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	14
Pounds	57,291,332
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	14
Pounds	60,972,976
<b>National Rank for Production-related Waste Managed</b>	
Rank	12
Pounds	665,277,308



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Missouri. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	57,291,332
Air Emissions	33,788,155
Surface Water Discharges	3,332,020
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	102,017
Other On-site Land Releases	20,069,140
Off-site Releases (Transfers Off-site to Disposal)	5,532,654
<b>Total On- and Off-site Releases</b>	<b>62,823,986</b>
Recycled On-site	229,823,661
Recycled Off-site	63,356,210
Energy Recovery On-site	98,456,987
Energy Recovery Off-site	22,336,016
Treated On-site	174,927,067
Treated Off-site	14,861,872
Quantity Released On- and Off-site	61,515,495
(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	
<b>Total Production-related Waste Managed</b>	<b>665,277,308</b>
<b>Total Non-production-related Waste Managed</b>	<b>131,397</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
67-56-1	Methanol	10,012,705	8,077	0	0	0	5	0	0	5	10,020,787
	Zinc compounds	184,450	553	0	0	0	7,431,340	23,534	184,438	222,941	7,824,315
7440-66-6	Zinc (fume or dust)	15,297	7	0	0	0	6,795,600	1,750	390	14,100	6,813,044
1330-20-7	Xylene (mixed isomers)	4,362,721	0	0	0	0	0	4	3,435	21,315	4,366,160
7439-92-1	Lead	48,144	336	0	0	0	3,443,195	5	3,809	8,115	3,495,489

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# MISSOURI

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
ASARCO Inc., Annapolis, Iron	63,262	24	0	0	0	10,787,952	10,851,238	0	0
Doe Run Co., Herculaneum, Jefferson	262,535	405	0	0	0	8,466,990	8,729,930	997	0
Royal Oak Ent. Inc., Ellsinore, Carter	3,255,696	0	0	0	0	0	3,255,696	0	0
Craig Ind., Summersville, Shannon	2,722,752	0	0	0	0	0	2,722,752	0	0
Ford Motor Co., Claycomo, Clay	2,456,496	0	0	0	0	0	2,456,496	31,950	17,667

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
ASARCO Inc., Annapolis, Iron	62,854,940	479	0	0	1,831	0	10,851,240	73,708,490	0
Doe Run Co., Herculaneum, Jefferson	43,978,269	0	0	0	0	0	8,730,964	52,709,233	5,512
Royal Oak Ent. Inc., Ellsinore, Carter	0	0	0	0	0	0	3,255,696	3,255,696	0
Craig Ind., Summersville, Shannon	0	0	0	0	0	0	2,722,752	2,722,752	0
Ford Motor Co., Claycomo, Clay	0	1,135,000	0	399,310	805,800	102,190	2,547,608	4,989,908	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

## For More Information...

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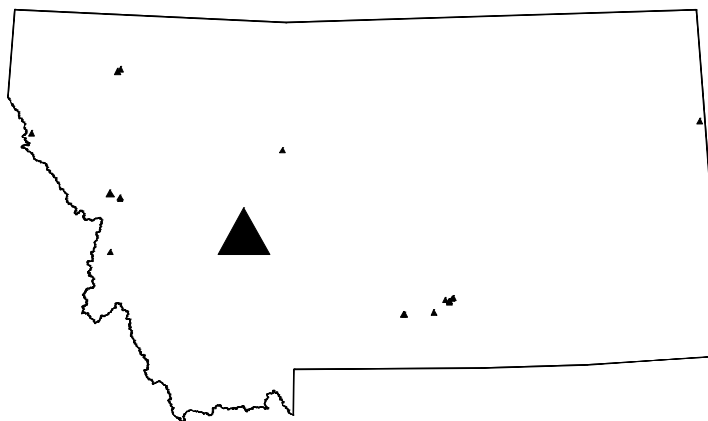
# 1997 TOXICS RELEASE INVENTORY

# MONTANA

## State/TRI Data

Population	878,730
Square Miles	145,556
Total Facilities	29
Total Forms	163
Form As	21

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	22
Pounds	43,352,385
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	18
Pounds	42,131,345
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	20
Pounds	43,747,510
<b>National Rank for Production-related Waste Managed</b>	
Rank	35
Pounds	103,675,561



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Montana. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	42,131,345
Air Emissions	4,314,764
Surface Water Discharges	97,172
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	500
Other On-site Land Releases	37,718,909
Off-site Releases (Transfers Off-site to Disposal)	1,221,040
<b>Total On- and Off-site Releases</b>	<b>43,352,385</b>
Recycled On-site	46,586,065
Recycled Off-site	2,966,505
Energy Recovery On-site	2,629,689
Energy Recovery Off-site	59,947
Treated On-site	9,236,891
Treated Off-site	18,892
Quantity Released On- and Off-site	42,177,572
(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	
<b>Total Production-related Waste Managed</b>	<b>103,675,561</b>
<b>Total Non-production-related Waste Managed</b>	<b>267</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
67-56-1	Zinc compounds	24,771	790	0	0	0	29,959,348	1,100,000	5	123,424	31,084,914
	Lead compounds	33,756	2,294	0	0	0	3,424,928	300,000	0	441,368	3,760,978
	Copper compounds	17,501	511	0	0	0	1,911,101	1,900	250	360,581	1,931,263
	Methanol	1,714,141	75,000	0	0	0	230	0	0	0	1,789,371
	Manganese compounds	1,010	103	0	0	0	1,582,828	0	0	1	1,583,941

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# MONTANA

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
ASARCO Inc., East Helena, Lewis and Clark	104,398	5,025	0	0	0	37,706,499	37,815,922	30	1,206,525
Stone Container Corp., Missoula, Missoula	2,019,065	81,230	0	0	0	245	2,100,540	0	505
Plum Creek Mfg. LP, Columbia Falls, Flathead	751,000	0	0	0	0	0	751,000	0	0
Columbia Falls Aluminum Co., Columbia Falls, Flathead	300,650	0	0	0	0	1,300	301,950	0	0
Exxon Billings Refinery, Billings, Yellowstone	254,586	8,708	0	0	0	0	263,294	0	225

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
ASARCO Inc., East Helena, Lewis and Clark	39,132,312	2,832,418	0	0	0	30	37,815,922	79,780,682	0
Stone Container Corp., Missoula, Missoula	0	0	2,373,600	0	4,445,580	158	2,119,858	8,939,196	0
Plum Creek Mfg. LP, Columbia Falls, Flathead	0	0	0	0	0	0	750,000	750,000	0
Columbia Falls Aluminum Co., Columbia Falls, Flathead	6,308,248	0	0	0	0	180	301,950	6,610,378	0
Exxon Billings Refinery, Billings, Yellowstone	0	0	0	0	2,807,740	431	263,805	3,071,976	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

## For More Information...

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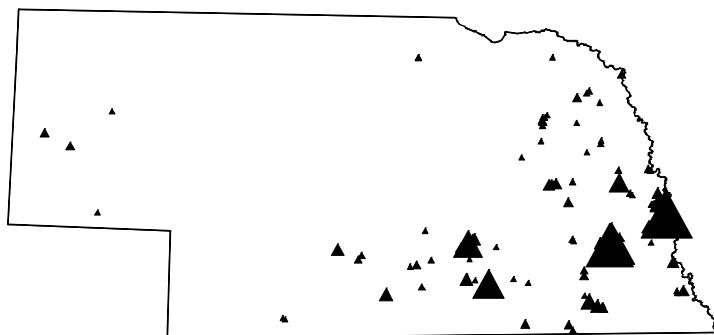
# 1997 TOXICS RELEASE INVENTORY

# NEBRASKA

## State/TRI Data

Population	1,657,009
Square Miles	76,878
Total Facilities	161
Total Forms	477
Form As	77

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	34
Pounds	17,977,975
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	37
Pounds	8,486,106
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	36
Pounds	9,515,819
<b>National Rank for Production-related Waste Managed</b>	
Rank	43
Pounds	56,039,172



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Nebraska. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	8,486,106
Air Emissions	7,332,796
Surface Water Discharges	543,072
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	0
Other On-site Land Releases	610,238
Off-site Releases (Transfers Off-site to Disposal)	9,491,869
<b>Total On- and Off-site Releases</b>	<b>17,977,975</b>
Recycled On-site	5,730,188
Recycled Off-site	24,885,114
Energy Recovery On-site	838,327
Energy Recovery Off-site	591,364
Treated On-site	9,192,742
Treated Off-site	1,431,896
Quantity Released On- and Off-site	13,369,541
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed</b>	<b>56,039,172</b>
<b>Total Non-production-related Waste Managed</b>	<b>49,292</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>			<u>On-site Releases to Land</u>			Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
7664-41-7	Ammonia	1,206,084	59,310	0	0	0	544,180	1,600	67,449	34,589	1,878,623
110-54-3	n-Hexane	1,352,575	0	0	0	0	0	0	0	0	1,352,575
1330-20-7	Xylene (mixed isomers)	1,326,591	5	0	0	0	0	0	186	569	1,326,782
108-88-3	Toluene	776,949	5	0	0	0	0	0	222	28	777,176
	Nitrate compounds	0	464,059	0	0	0	35,005	0	105,615	0	604,679

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# NEBRASKA

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
PCS Nitrogen Fertilizer L.P., Bellevue, Sarpy	532,260	370,250	0	0	0	35,255	937,765	0	5
Goodyear Tire & Rubber Co., Lincoln, Lancaster	850,857	111	0	0	0	0	850,968	76,401	536
ADM, Lincoln, Lancaster	810,000	0	0	0	0	0	810,000	31,000	0
U.S.D.A. Agricultural Research, Clay Center, Clay	0	0	0	0	0	533,160	533,160	0	0
New Holland N.A. Inc., Grand Island, Hall	474,000	0	0	0	0	0	474,000	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
ASARCO Inc., Omaha, Douglas	3,202,000	60,580	0	0	2,409	24	3,881,217	7,146,230	0
Goodyear Tire & Rubber Co., Lincoln, Lancaster	28,150	0	2,597	96,579	0	5,602	927,906	1,060,834	5
PCS Nitrogen Fertilizer L.P., Bellevue, Sarpy	150,000	139,200	0	0	2,429,000	0	902,031	3,620,231	35,983
ADM, Lincoln, Lancaster	0	0	0	0	230,000	0	841,000	1,071,000	0
U.S.D.A. Agricultural Research, Clay Center, Clay	0	0	0	0	0	0	533,160	533,160	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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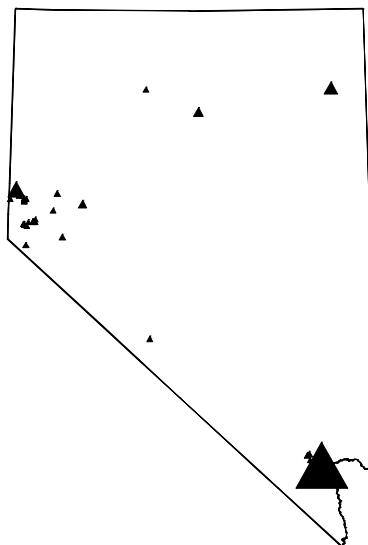
# 1997 TOXICS RELEASE INVENTORY

# NEVADA

## State/TRI Data

Population	1,678,691
Square Miles	109,806
Total Facilities	51
Total Forms	116
Form As	20

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	44
Pounds	4,435,113
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	44
Pounds	4,419,227
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	39
Pounds	8,296,816
<b>National Rank for Production-related Waste Managed</b>	
Rank	46
Pounds	18,716,822



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Nevada. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	4,419,227
Air Emissions	1,695,716
Surface Water Discharges	0
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	0
Other On-site Land Releases	2,723,511
Off-site Releases (Transfers Off-site to Disposal)	15,886
<b>Total On- and Off-site Releases</b>	<b>4,435,113</b>
Recycled On-site	1,923,358
Recycled Off-site	1,101,743
Energy Recovery On-site	0
Energy Recovery Off-site	101,184
Treated On-site	11,123,073
Treated Off-site	23,990
Quantity Released On- and Off-site	4,443,474
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed</b>	<b>18,716,822</b>
<b>Total Non-production-related Waste Managed</b>	<b>11</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air	Surface	Class I	Class II-V	RCRA	Other				
		Emissions	Water Discharges	Wells	Wells	Subtitle C Landfills	On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
108-88-3	Manganese compounds	13,400	0	0	0	0	2,711,005	3,340	0	0	2,727,745
	Lead compounds	0	0	0	0	0	0	2,230,000	0	0	2,230,000
	Toluene	619,855	0	0	0	0	0	0	0	0	619,855
	Antimony compounds	0	0	0	0	0	0	475,700	200	0	475,900
100-42-5	Styrene	439,273	0	0	0	0	0	0	0	0	439,273

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# NEVADA

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Kerr McGee Chemical LLC, Henderson, Clark	26,815	0	0	0	0	2,541,000	2,567,815	0	0
R.R. Donnelley & Sons Co., Reno, Washoe	624,826	0	0	0	0	0	624,826	1	0
Tomkins Ind. Inc., Moapa, Clark	435,050	0	0	0	0	0	435,050	0	0
Coastal Chem Inc., Battle Mountain, Lander	240,000	0	0	0	0	0	240,000	0	0
Nevada Refinery of Kennametal, Fallon, Churchill	0	0	0	0	0	170,005	170,005	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Kerr McGee Chemical LLC, Henderson, Clark	0	0	0	0	0	0	2,567,800	2,567,800	0
R.R. Donnelley & Sons Co., Reno, Washoe	0	8,448	0	68,468	23,166	1,110	623,899	725,091	0
Tomkins Ind. Inc., Moapa, Clark	0	0	0	0	0	0	435,050	435,050	0
Coastal Chem Inc., Battle Mountain, Lander	0	0	0	0	0	0	240,000	240,000	0
Nevada Refinery of Kennametal, Fallon, Churchill	0	0	0	0	0	0	170,000	170,000	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

## For More Information...

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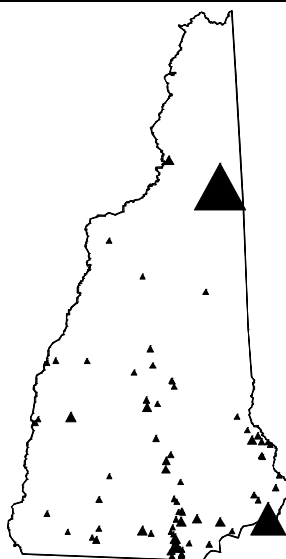
# 1997 TOXICS RELEASE INVENTORY

# NEW HAMPSHIRE

## State/TRI Data

Population	1,172,140
Square Miles	8,969
Total Facilities	105
Total Forms	299
Form As	49

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	47
Pounds	2,786,933
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	47
Pounds	2,514,137
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	48
Pounds	2,795,390
<b>National Rank for Production-related Waste Managed</b>	
Rank	44
Pounds	45,382,475



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of New Hampshire. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	2,514,137
Air Emissions	2,183,222
Surface Water Discharges	114,890
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	0
Other On-site Land Releases	216,025
Off-site Releases (Transfers Off-site to Disposal)	272,796
<b>Total On- and Off-site Releases</b>	<b>2,786,933</b>
Recycled On-site	16,698,742
Recycled Off-site	12,663,886
Energy Recovery On-site	1,490,392
Energy Recovery Off-site	739,937
Treated On-site	10,124,456
Treated Off-site	962,439
Quantity Released On- and Off-site	2,702,623
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed</b>	<b>45,382,475</b>
<b>Total Non-production-related Waste Managed</b>	<b>16,479</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
67-56-1	Methanol	498,926	2,213	0	0	0	2,600	0	0	684	503,739
	Zinc compounds	2,021	2,810	0	0	0	60,250	180,689	8,995	22,731	254,765
1330-20-7	Xylene (mixed isomers)	246,792	0	0	0	0	0	0	0	4,764	246,792
7664-41-7	Ammonia	212,436	17,704	0	0	0	5	0	101	6,490	230,246
78-93-3	Methyl ethyl ketone	207,326	250	0	0	0	250	0	0	494	207,826

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



## 1997 TOXICS RELEASE INVENTORY

## NEW HAMPSHIRE

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Crown Paper Co., Berlin, Coos	516,768	84,860	0	0	0	210,220	811,668	0	383
Venture Holdings Corp., Seabrook, Rockingham	525,600	0	0	0	0	0	525,600	0	0
Nashua Corp., Merrimack, Hillsborough	81,889	0	0	0	0	0	81,889	1,250	0
Sturm Ruger Co. Inc., Newport, Sullivan	76,755	0	0	0	0	0	76,755	255	3,260
Kalwall Corp., Manchester, Hillsborough	75,000	0	0	0	0	0	75,000	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Crown Paper Co., Berlin, Coos	0	0	17,670	0	5,728,800	0	811,015	6,557,485	0
Venture Holdings Corp., Seabrook, Rockingham	219,776	0	0	44,332	0	0	525,600	789,708	15,510
Hadco Corp., Derry, Rockingham	0	376,980	0	0	133,766	136,350	96,300	743,396	0
Nashua Corp., Merrimack, Hillsborough	1,177,932	0	0	19,526	1,219	500	82,197	1,281,374	0
Teradyne Inc., Nashua, Hillsborough	75,954	203,700	0	0	125,368	134,401	78,653	618,076	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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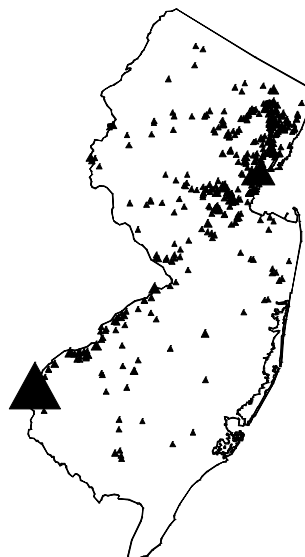
# 1997 TOXICS RELEASE INVENTORY

# NEW JERSEY

## State/TRI Data

Population	8,058,384
Square Miles	7,419
Total Facilities	557
Total Forms	1,990
Form As	353

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	32
Pounds	20,767,437
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	34
Pounds	16,158,940
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	33
Pounds	19,082,737
<b>National Rank for Production-related Waste Managed</b>	
Rank	17
Pounds	537,323,071



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of New Jersey. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	16,158,940
Air Emissions	9,500,420
Surface Water Discharges	5,399,681
Underground Injection Class I Wells	2
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	440,732
Other On-site Land Releases	818,105
Off-site Releases (Transfers Off-site to Disposal)	4,608,497
<b>Total On- and Off-site Releases</b>	<b>20,767,437</b>
Recycled On-site	65,692,010
Recycled Off-site	40,686,255
Energy Recovery On-site	219,383,087
Energy Recovery Off-site	29,506,963
Treated On-site	130,644,642
Treated Off-site	30,015,188
Quantity Released On- and Off-site (excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	21,394,926
<b>Total Production-related Waste Managed</b>	<b>537,323,071</b>
<b>Total Non-production-related Waste Managed</b>	<b>3,014,554</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
	Nitrate compounds	63,312	4,314,648	0	0	0	1,650	15,433	0	15	4,395,043
108-88-3	Toluene	1,110,539	85	0	0	108	4,508	70,085	1,805	947	1,187,130
67-56-1	Methanol	945,882	10,990	0	0	51	90,000	5,766	935	0	1,053,624
	Zinc compounds	12,858	6,731	0	0	5,696	20,375	40,458	947,196	364,556	1,033,314
1330-20-7	Xylene (mixed isomers)	876,458	10	0	0	464	0	0	62,986	4,494	939,918

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# NEW JERSEY

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Du Pont Chambers Works, Deepwater, Salem	372,448	3,086,517	0	0	437,032	0	3,895,997	27	266,912
Bayway Refining Co., Linden, Union	245,859	1,600,004	0	0	0	0	1,845,863	0	0
Ford Motor Co., Edison, Middlesex	598,918	0	0	0	0	0	598,918	1,621	18,300
Griffin Pipe Prods. Co., Florence, Burlington	796	0	0	0	0	515,512	516,308	0	0
Du Pont, Gibbstown, Gloucester	26,953	410,074	0	0	0	0	437,027	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Du Pont Chambers Works, Deepwater, Salem	9,385,167	1,846,166	0	0	29,513,911	2,276,709	4,162,909	47,184,862	17,200
Penick Corp., Newark, Essex	5,498,884	0	0	0	0	500	2,012,068	7,511,452	0
Bayway Refining Co., Linden, Union	5,290	13,200	0	0	5,238,870	0	1,845,803	7,103,163	10,211
Ford Motor Co., Edison, Middlesex	0	369,803	0	135,272	278,796	611	614,994	1,399,476	0
Griffin Pipe Prods. Co., Florence, Burlington	0	0	0	0	0	0	516,308	516,308	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

## For More Information...

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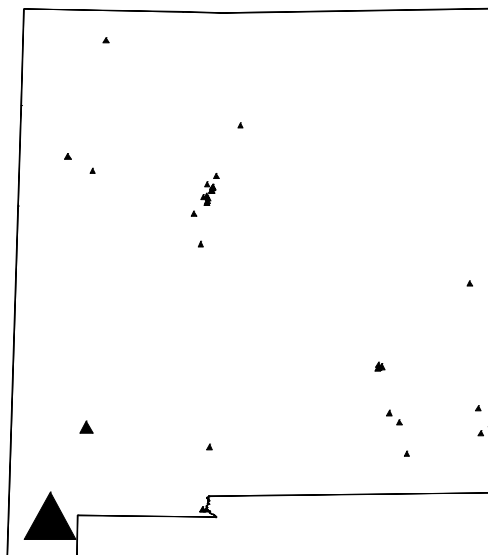
# 1997 TOXICS RELEASE INVENTORY

# NEW MEXICO

## State/TRI Data

Population	1,723,965
Square Miles	121,365
Total Facilities	40
Total Forms	164
Form As	19

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	25
Pounds	34,171,001
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	21
Pounds	34,087,469
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	25
Pounds	34,162,963
<b>National Rank for Production-related Waste Managed</b>	
Rank	40
Pounds	75,569,342



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of New Mexico. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	34,087,469
Air Emissions	2,455,382
Surface Water Discharges	8,050
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	0
Other On-site Land Releases	31,624,037
Off-site Releases (Transfers Off-site to Disposal)	83,532
<b>Total On- and Off-site Releases</b>	<b>34,171,001</b>
Recycled On-site	1,480,337
Recycled Off-site	1,190,543
Energy Recovery On-site	26,313,209
Energy Recovery Off-site	147,019
Treated On-site	4,017,170
Treated Off-site	633,512
Quantity Released On- and Off-site	41,787,552
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed</b>	<b>75,569,342</b>
<b>Total Non-production-related Waste Managed</b>	<b>0</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
7664-93-9	Zinc compounds	6,524	992	0	0	0	18,893,513	0	0	0	18,901,029
	Copper compounds	302,843	5,767	0	0	0	9,445,409	0	10	250	9,754,029
	Lead compounds	24,205	296	0	0	0	808,103	0	14,276	450	846,880
	Nitrate compounds	0	0	0	0	0	661,339	0	0	0	661,339
	Sulfuric acid	510,958	0	0	0	0	0	0	0	0	510,958

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# NEW MEXICO

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Phelps Dodge Hidalgo Inc., Playas, Hidalgo	635,848	8,037	0	0	0	26,578,483	27,222,368	0	250
Chino Mines Co., Hurley, Grant**	237,032	0	0	0	0	4,358,064	4,595,096	0	0
Giant Refining Co., Jamestown, Mc Kinley	621,525	0	0	0	0	25,243	646,768	0	0
Leprino Foods Co., Roswell, Chaves	9,500	0	0	0	0	596,051	605,551	0	0
DLD Resources Inc., Monument, Lea	335,700	0	0	0	0	0	335,700	0	0

\*The facility ranking is based on the amounts in this column.

\*\*The Chino Mines Co. facility, ranked number 2, reported under SIC code 10 (Metal Mining). Currently, this SIC code is not a covered industry, but will be covered under the TRI industry expansion beginning with the 1998 reporting year. In previous years, this facility reported under SIC code 33 (Primary Metals), which is a covered industry sector.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Phelps Dodge Hidalgo Inc., Playas, Hidalgo	0	0	0	0	0	0	27,222,368	27,222,368	0
Chino Mines Co., Hurley, Grant**	0	0	0	0	0	0	12,203,732	12,203,732	0
Giant Refining Co., Jamestown, Mc Kinley	744,426	0	0	0	0	0	651,392	1,395,818	0
Leprino Foods Co., Roswell, Chaves	0	0	0	0	0	0	605,551	605,551	0
DLD Resources Inc., Monument, Lea	0	0	0	0	1,629,600	0	335,700	1,965,300	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

\*\*The Chino Mines Co. facility, ranked number 2, reported under SIC code 10 (Metal Mining). Currently, this SIC code is not a covered industry, but will be covered under the TRI industry expansion beginning with the 1998 reporting year. In previous years, this facility reported under SIC code 33 (Primary Metals), which is a covered industry sector.

## For More Information...

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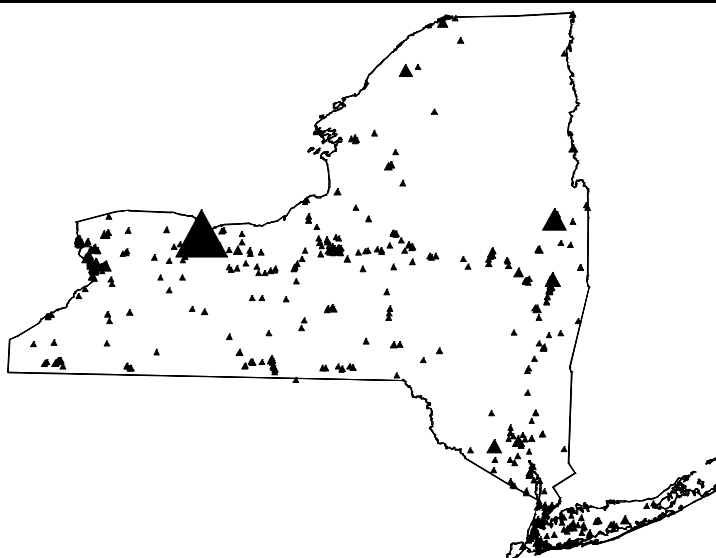
# 1997 TOXICS RELEASE INVENTORY

# NEW YORK

## State/TRI Data

Population	18,146,200
Square Miles	47,224
Total Facilities	657
Total Forms	1,921
Form As	271

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	23
Pounds	38,585,647
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	25
Pounds	29,940,067
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	23
Pounds	39,211,902
<b>National Rank for Production-related Waste Managed</b>	
Rank	20
Pounds	453,574,206



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of New York. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	29,940,067
Air Emissions	24,273,000
Surface Water Discharges	4,367,682
Underground Injection Class I Wells	500
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	986,700
Other On-site Land Releases	312,185
Off-site Releases (Transfers Off-site to Disposal)	8,645,580
<b>Total On- and Off-site Releases</b>	<b>38,585,647</b>
Recycled On-site	172,842,264
Recycled Off-site	68,275,239
Energy Recovery On-site	29,371,265
Energy Recovery Off-site	7,076,667
Treated On-site	127,109,643
Treated Off-site	11,609,888
Quantity Released On- and Off-site	37,289,240
(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	
<b>Total Production-related Waste Managed</b>	<b>453,574,206</b>
<b>Total Non-production-related Waste Managed</b>	<b>1,123,167</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
108-88-3	Toluene	4,074,714	575	0	0	0	5	52,614	30,853	20,959	4,158,761
7440-50-8	Copper	22,434	1,354	0	0	0	1,110	3,860,836	118,397	27,097	4,004,131
	Nitrate compounds	390	3,679,553	0	0	0	0	4	105,274	0	3,785,221
7647-01-0	Hydrochloric acid	3,352,561	5	0	0	0	0	0	0	5,505	3,352,566
67-56-1	Methanol	2,547,206	204,327	0	0	0	14,935	1,190	6,238	17	2,773,896

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# NEW YORK

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Eastman Kodak Co., Rochester, Monroe	6,159,009	673,403	0	0	0	130,021	6,962,433	80,130	300
Finch Pruyn & Co. Inc., Glens Falls, Warren	248,405	2,464,200	0	0	0	0	2,712,605	35,350	0
GE Co., Waterford, Saratoga	337,447	96,694	0	0	980,000	760	1,414,901	0	28,742
Tesa Tape Inc., Middletown, Orange	1,381,671	0	0	0	0	0	1,381,671	0	0
Corning Inc., Canton, St. Lawrence	1,200,250	0	0	0	0	0	1,200,250	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Eastman Kodak Co., Rochester, Monroe	0	231,403	0	0	34,091,955	911,324	7,100,502	42,335,184	0
Finch Pruyn & Co. Inc., Glens Falls, Warren	0	0	0	0	4,353,500	0	2,729,500	7,083,000	0
Auburn Steel Co. Inc., Auburn, Cayuga	0	792,603	0	0	0	0	2,356,997	3,149,600	0
GE Co., Waterford, Saratoga	1,260,000	820,000	1,500,000	0	20,310,400	0	1,414,021	25,304,421	15,251
Tesa Tape Inc., Middletown, Orange	8,924,163	0	0	0	1,752,578	0	1,381,671	12,058,412	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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## 1997 TOXICS RELEASE INVENTORY

# NORTH CAROLINA

### State/TRI Data

Population	7,430,675
Square Miles	48,718
Total Facilities	848
Total Forms	2,528
Form As	446

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	12
Pounds	85,066,946
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	11
Pounds	77,125,436
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	12
Pounds	81,053,645
<b>National Rank for Production-related Waste Managed</b>	
Rank	9
Pounds	803,903,525



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of North Carolina. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

### Reported Releases and Waste Management Activities

	Pounds
On-site Releases	77,125,436
Air Emissions	52,057,024
Surface Water Discharges	6,460,436
Underground Injection Class I Wells	29,100
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	40,230
Other On-site Land Releases	18,538,646
Off-site Releases (Transfers Off-site to Disposal)	7,941,510
<b>Total On- and Off-site Releases</b>	<b>85,066,946</b>
Recycled On-site	448,336,582
Recycled Off-site	87,204,537
Energy Recovery On-site	27,818,415
Energy Recovery Off-site	14,017,992
Treated On-site	135,606,112
Treated Off-site	6,261,666
Quantity Released On- and Off-site	84,658,221
(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	
<b>Total Production-related Waste Managed</b>	<b>803,903,525</b>
<b>Total Non-production-related Waste Managed</b>	<b>77,401</b>

### Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
67-56-1	Methanol	11,008,403	184,251	0	0	0	8,563	24	75,706	3,312	11,276,947
	Chromium compounds	7,787	1,673	0	0	6,078	9,101,353	16,681	43,197	26,653	9,176,769
7664-38-2	Phosphoric acid	33,991	0	0	0	0	8,391,999	0	2,800	5,900	8,428,790
108-88-3	Toluene	6,410,747	33	0	0	0	5	0	22,110	1,750	6,432,895
7664-41-7	Ammonia	5,891,343	150,268	0	0	0	46,000	574	25,696	2,236	6,113,881

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



## 1997 TOXICS RELEASE INVENTORY

## NORTH CAROLINA

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
PCS Phosphate Co. Inc., Aurora, Beaufort	4,052,573	0	0	0	0	8,391,999	12,444,572	0	0
Occidental Chemical Corp., Castle Hayne, New Hanover	6,268	30	0	0	0	9,100,000	9,106,298	0	14,000
Smithfield Packing Co. Inc., Tar Heel, Bladen	9,162	3,683,194	0	0	0	0	3,692,356	0	0
International Paper, Riegelwood, Columbus	3,014,179	194,191	29,100	0	0	370,900	3,608,370	0	0
Champion Intl.Corp., Canton, Haywood	2,799,026	76,743	0	0	0	0	2,875,769	137,206	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
PCS Phosphate Co. Inc., Aurora, Beaufort	200,855,000	0	0	0	0	0	12,444,573	213,299,573	0
Occidental Chemical Corp., Castle Hayne, New Hanover	0	0	0	0	0	0	9,100,000	9,100,000	7,800
Ameristeel Corp., Charlotte, Mecklenburg	0	0	0	0	0	26,675	3,723,401	3,750,076	0
Smithfield Packing Co., Inc., Tar Heel, Bladen	0	0	0	0	282,725	0	3,692,336	3,975,061	20
International Paper, Riegelwood, Columbus	0	0	3,954,260	0	15,747,291	0	3,609,510	23,311,061	163

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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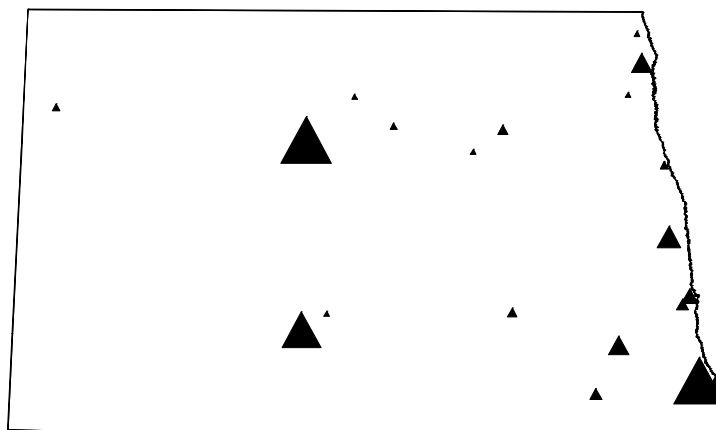
# 1997 TOXICS RELEASE INVENTORY

# NORTH DAKOTA

## State/TRI Data

Population	640,965
Square Miles	68,994
Total Facilities	34
Total Forms	89
Form As	20

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	48
Pounds	2,422,425
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	48
Pounds	2,389,140
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	47
Pounds	2,887,823
<b>National Rank for Production-related Waste Managed</b>	
Rank	50
Pounds	7,793,867



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of North Dakota. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	2,389,140
Air Emissions	1,946,963
Surface Water Discharges	439,714
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	0
Other On-site Land Releases	2,463
Off-site Releases (Transfers Off-site to Disposal)	33,285
<b>Total On- and Off-site Releases</b>	<b>2,422,425</b>
Recycled On-site	6,574
Recycled Off-site	596,287
Energy Recovery On-site	0
Energy Recovery Off-site	31,171
Treated On-site	4,446,858
Treated Off-site	221,419
Quantity Released On- and Off-site (excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	2,491,558
<b>Total Production-related Waste Managed</b>	<b>7,793,867</b>
<b>Total Non-production-related Waste Managed</b>	<b>2,600</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
110-54-3	n-Hexane	754,641	0	0	0	0	0	0	0	0	754,641
7664-41-7	Ammonia	428,265	12,174	0	0	0	750	0	0	0	441,189
	Nitrate compounds	0	427,506	0	0	0	0	135	0	0	427,641
1330-20-7	Xylene (mixed isomers)	168,971	0	0	0	0	0	64	0	4	169,035
	Zinc compounds	0	0	0	0	0	0	113,702	0	0	113,702

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



## 1997 TOXICS RELEASE INVENTORY

## NORTH DAKOTA

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Minn-Dak Farmers Co-Op., Wahpeton, Richland	60,510	429,510	0	0	0	0	490,020	0	0
ADM Processing, Velva, Mc Henry	482,000	0	0	0	0	0	482,000	0	0
Amoco Oil Co., Mandan, Morton	358,118	810	0	0	0	1,713	360,641	144	872
American Crystal Sugar Co., Hillsboro, Traill	192,250	250	0	0	0	0	192,500	0	0
ADM, Enderlin, Ransom	159,000	0	0	0	0	0	159,000	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Minn-Dak Farmers Co-Op., Wahpeton, Richland	0	0	0	0	2,906,739	0	490,020	3,396,759	0
ADM Processing, Velva, Mc Henry	0	0	0	0	0	0	481,780	481,780	0
Amoco Oil Co., Mandan, Morton	5,630	1,691	0	428	1,178,000	257	362,590	1,548,596	2,600
American Crystal Sugar Co., Hillsboro, Traill	0	0	0	0	192,000	0	192,000	384,000	0
ADM, Enderlin, Ransom	0	0	0	0	0	915	160,000	160,915	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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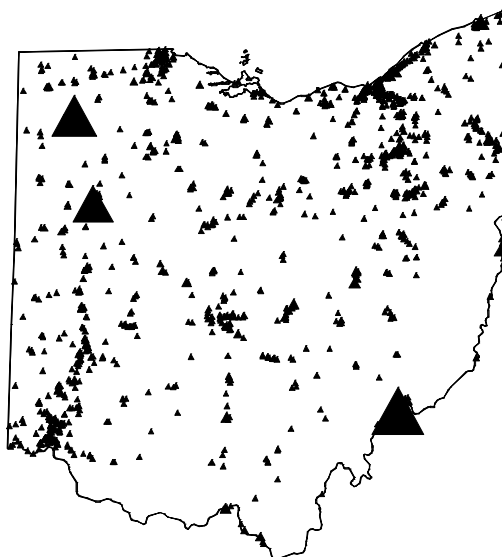
# 1997 TOXICS RELEASE INVENTORY

# OHIO

## State/TRI Data

Population	11,192,932
Square Miles	40,953
Total Facilities	1,589
Total Forms	5,257
Form As	747

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	3
Pounds	158,675,833
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	3
Pounds	113,127,277
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	2
Pounds	213,002,857
<b>National Rank for Production-related Waste Managed</b>	
Rank	6
Pounds	881,679,237



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Ohio. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	113,127,277
Air Emissions	66,806,601
Surface Water Discharges	6,061,775
Underground Injection Class I Wells	11,584,640
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	2,837,300
Other On-site Land Releases	25,836,961
Off-site Releases (Transfers Off-site to Disposal)	45,548,556
<b>Total On- and Off-site Releases</b>	<b>158,675,833</b>
Recycled On-site	217,112,974
Recycled Off-site	188,951,868
Energy Recovery On-site	108,525,378
Energy Recovery Off-site	38,359,015
Treated On-site	140,033,290
Treated Off-site	34,935,397
Quantity Released On- and Off-site	153,761,315
(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	
<b>Total Production-related Waste Managed</b>	<b>881,679,237</b>
<b>Total Non-production-related Waste Managed</b>	<b>3,464,602</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
7440-66-6	Zinc compounds	259,810	13,908	0	0	270,864	10,544,019	33,973,732	8,034,012	870,968	53,096,345
	Manganese compounds	460,200	804,160	250	0	310,000	12,088,355	5,147,623	11,370,007	226,288	30,180,595
7664-41-7	Zinc (fume or dust)	95,232	755	0	0	0	600	10,074,746	6,462,939	102,274	16,634,272
463-58-1	Ammonia	10,785,022	404,628	1,777,700	0	0	56,993	161,901	214,644	28,663	13,400,888
	Carbonyl sulfide	5,226,032	0	0	0	0	0	0	0	0	5,226,032

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# OHIO

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Elkem Metals Co., Marietta, Washington	4,424,776	784,000	0	0	0	10,479,000	15,687,776	0	124,000
General Motors Powertrain, Defiance, Defiance	951,704	44,278	0	0	0	12,405,339	13,401,321	853	770
BP Chemicals Inc., Lima, Allen	329,765	0	11,582,920	0	0	0	11,912,685	390	1,000
Mellennium Inorganic Chemicals, Ashtabula, Ashtabula	3,510,892	140,000	0	0	0	0	3,650,892	2,850,000	0
PCS Nitrogen of Ohio L.P., Lima Allen	2,825,285	48,855	0	0	0	0	2,874,140	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Elkem Metals Co., Marietta, Washington	8,000	34,000	0	0	17,000	0	15,811,776	15,870,776	0
General Motors Powertrain, Defiance, Defiance	0	0	0	0	310,100	22,146	13,800,410	14,132,656	0
BP Chemicals Inc., Lima, Allen	3,405,000	0	7,634,410	0	3,146,000	18,590	11,946,675	26,150,675	0
Mellennium Inorganic Chemicals, Ashtabula, Ashtabula	0	0	0	0	2,800,960	0	6,510,932	9,311,892	0
Timken Co., Canton, Stark	272,100	112,800	0	0	0	0	5,481,000	5,865,900	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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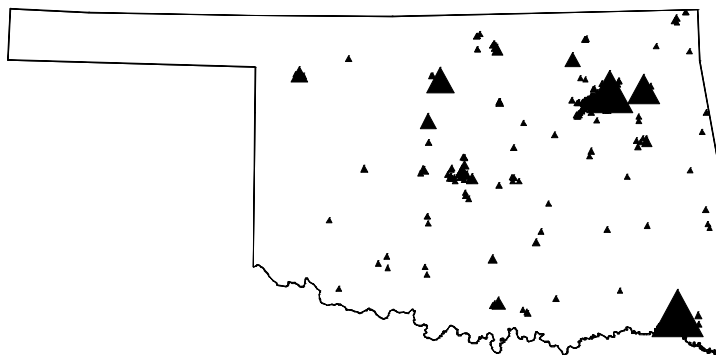
# 1997 TOXICS RELEASE INVENTORY

# OKLAHOMA

## State/TRI Data

Population	3,321,611
Square Miles	68,679
Total Facilities	284
Total Forms	907
Form As	153

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	30
Pounds	24,798,930
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	30
Pounds	21,620,717
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	27
Pounds	30,199,406
<b>National Rank for Production-related Waste Managed</b>	
Rank**	8
Pounds	838,116,746



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Oklahoma. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	21,620,717
Air Emissions	18,448,377
Surface Water Discharges	716,150
Underground Injection Class I Wells	1,722,479
Underground Injection Class II-V Wells	2,200
On-site Land Releases to RCRA Subtitle C Landfills	553,551
Other On-site Land Releases	177,960
Off-site Releases (Transfers Off-site to Disposal)	3,178,213
<b>Total On- and Off-site Releases</b>	<b>24,798,930</b>
Recycled On-site	44,023,906
Recycled Off-site	36,333,994
Energy Recovery On-site**	694,233,700
Energy Recovery Off-site	1,383,754
Treated On-site	35,229,082
Treated Off-site	2,647,032
Quantity Released On- and Off-site (excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	24,265,278
<b>Total Production-related Waste Managed**</b>	<b>838,116,746</b>
<b>Total Non-production-related Waste Managed</b>	<b>84,540</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air	Surface	Class I	Class II-V	RCRA	Other				
		Emissions	Water Discharges	Wells	Wells	Subtitle C Landfills	On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
7664-41-7	Ammonia	6,333,302	60,321	69,950	0	0	5	0	1,800	0	6,465,378
67-56-1	Methanol	3,066,624	49,076	0	0	94	5	404	10,700	250	3,126,903
	Nitrate compounds	78,760	542,600	1,650,750	0	0	260	550,307	1,251	0	2,823,928
	Lead compounds	848	10	472	0	913	52	1,665,994	102,624	148,006	1,770,913
	Zinc compounds	26,377	2,144	827	0	38,131	3,013	764,240	821,053	511,987	1,655,785

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.

\*\*One facility, TPI Petroleum in Ardmore, Oklahoma, reported on-site energy recovery of 422,000,000 pounds of ethylene and 272,000,000 pounds of propylene in 1997. The facility has since revised these quantities to zero. This changes total production-related waste managed in Oklahoma in 1997 from 838,116,746 pounds to 144,116,746 pounds. Oklahoma's rank for total production-related waste managed changes from 8th to 32nd.



# 1997 TOXICS RELEASE INVENTORY

# OKLAHOMA

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Weyerhaeuser Co., Valliant, Mc Curtain	3,192,495	42,945	0	0	533,609	0	3,769,049	0	0
Terra Nitrogen, Catoosa, Rogers	3,155,500	174,100	0	0	0	750	3,330,350	0	0
Wil-Gro Fertilizer, Pryor, Mayes	356,195	116,567	1,720,700	0	0	0	2,193,462	0	0
Farmland Ind. Inc., Enid, Garfield	1,821,817	10,210	0	0	0	0	1,832,027	0	0
General Motors-SCG, Oklahoma City, Oklahoma	876,321	0	0	0	0	0	876,321	500	6,278

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Weyerhaeuser Co., Valliant, Mc Curtain	0	0	0	0	7,244,663	0	3,769,299	11,013,962	0
Terra Nitrogen, Catoosa, Rogers	2,200,000	11,000	0	0	133,000	0	3,328,310	5,672,310	7,039
Wil-Gro Fertilizer, Pryor, Mayes	0	0	0	0	0	0	2,122,582	2,122,582	34,000
Farmland Ind. Inc., Enid, Garfield	2,230,000	117,000	0	0	1,413,600	0	1,829,045	5,589,645	0
Zinc Corp. of America, Bartlesville, Washington	0	0	0	0	0	0	1,615,543	1,615,543	105

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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# 1997 TOXICS RELEASE INVENTORY

# OREGON

## State/TRI Data

Population	3,243,272
Square Miles	96,003
Total Facilities	256
Total Forms	750
Form As	119

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	28
Pounds	30,931,561
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	28
Pounds	24,339,679
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	30
Pound,	27,536,585
<b>National Rank for Production-related Waste Managed</b>	
Rank	32
Pounds	187,414,900



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Oregon. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	24,339,679
Air Emissions	17,126,435
Surface Water Discharges	4,266,121
Underground Injection Class I Wells	41,110
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	18,650
Other On-site Land Releases	2,887,363
Off-site Releases (Transfers Off-site to Disposal)	6,591,882
<b>Total On- and Off-site Releases</b>	<b>30,931,561</b>
Recycled On-site	37,958,112
Recycled Off-site	20,003,439
Energy Recovery On-site	13,964,005
Energy Recovery Off-site	1,336,309
Treated On-site	71,513,926
Treated Off-site	13,852,045
Quantity Released On- and Off-site	28,787,064
(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	
<b>Total Production-related Waste Managed</b>	<b>187,414,900</b>
<b>Total Non-production-related Waste Managed</b>	<b>23,939</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
67-56-1	Methanol	7,534,132	440,705	0	0	0	1,610	123	15,430	0	7,992,000
	Nitrate compounds	0	3,649,518	0	0	250	260	1,097,350	8,610	0	4,755,988
	Nickel compounds	82,766	65	0	0	0	2,356,321	0	38,322	4,576	2,477,474
7664-41-7	Ammonia	1,989,087	33,420	41,110	0	0	106,868	44,968	10,792	60	2,226,245
100-42-5	Styrene	1,158,881	0	0	0	0	0	0	0	0	1,158,881

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# OREGON

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Weyerhaeuser Co., Springfield, Lane	2,503,865	30,057	0	0	0	0	2,533,922	5,270	0
Glenbrook Nickel Co., Riddle, Douglas	77,000	15	0	0	0	2,343,290	2,420,305	0	0
Wah Chang Albany, Albany, Linn	418,700	1,106,487	0	0	0	0	1,525,187	33,978	5,877
International Paper, Gardiner, Douglas	1,433,734	42,030	0	0	0	571	1,476,335	0	0
Willamette Ind. Inc., Albany, Linn	1,035,660	364,761	0	0	0	21,574	1,421,995	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Oregon Steel Mills Inc., Portland, Multnomah	0	0	0	0	0	0	3,591,000	3,591,000	0
Weyerhaeuser Co., Springfield, Lane	0	0	3,412,000	365	2,772,000	0	2,620,110	8,804,475	0
Glenbrook Nickel Co., Riddle, Douglas	0	27,260	0	0	0	0	2,420,290	2,447,550	0
Wah Chang Albany, Albany, Linn	17,360,000	0	0	0	4,922,000	600	1,535,600	23,818,200	1,025
International Paper, Gardiner, Douglas	0	0	246,370	150	2,374,570	0	1,472,140	4,093,230	36

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

## For More Information...

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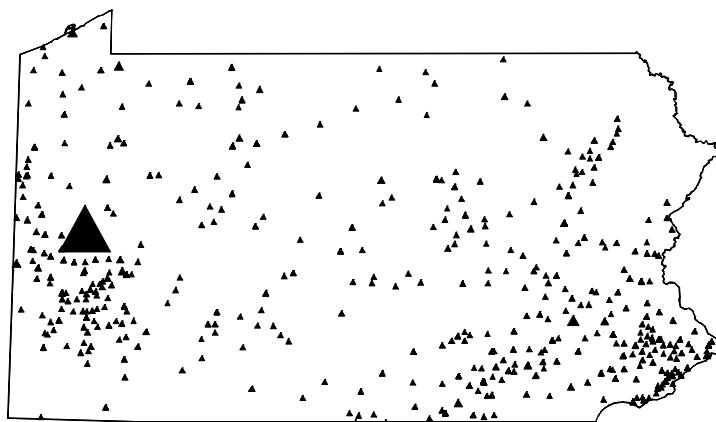
# 1997 TOXICS RELEASE INVENTORY

# PENNSYLVANIA

## State/TRI Data

Population	12,011,278
Square Miles	44,820
Total Facilities	1,222
Total Forms	3,950
Form As	552

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	4
Pounds	143,243,520
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	8
Pounds	79,944,589
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	5
Pounds	133,033,132
<b>National Rank for Production-related Waste Managed</b>	
Rank	5
Pounds	917,877,514



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Pennsylvania. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	79,944,589
Air Emissions	39,754,658
Surface Water Discharges	38,517,920
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	133,851
Other On-site Land Releases	1,538,160
Off-site Releases (Transfers Off-site to Disposal)	63,298,931
<b>Total On- and Off-site Releases</b>	<b>143,243,520</b>
Recycled On-site	360,008,264
Recycled Off-site	133,879,998
Energy Recovery On-site	77,893,692
Energy Recovery Off-site	19,317,617
Treated On-site	166,360,441
Treated Off-site	26,732,395
Quantity Released On- and Off-site	133,685,107
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed</b>	<b>917,877,514</b>
<b>Total Non-production-related Waste Managed</b>	<b>6,256,039</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>			<u>On-site Releases to Land</u>			Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
108-88-3	Nitrate compounds	15	38,096,073	0	0	3,098	91	4	34,723	763	38,134,004
	Zinc compounds	683,499	16,765	0	0	11,361	18,847	410,099	31,058,987	4,720,677	32,199,558
	Toluene	6,447,689	1,671	0	0	0	251	983	124,511	123,036	6,575,105
	Manganese compounds	41,412	18,098	0	0	0	122,548	119,338	4,876,322	1,937,983	5,177,718
67-56-1	Methanol	3,825,021	6,091	0	0	0	3,544	140	83,252	3,591	3,918,048

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



## 1997 TOXICS RELEASE INVENTORY

## PENNSYLVANIA

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Armco Inc., Butler, Butler (Route 8 South)	217,221	26,004,479	0	0	0	0	26,221,700	282,462	7,869
Armco Inc., Butler, Butler (Bantam Avenue)	88,800	3,800,377	0	0	0	0	3,889,177	190,400	459
Carpenter Tech. Corp., Reading, Berks	129,218	3,243,007	0	0	0	2,501	3,374,726	2,575	14
International Paper, Erie, Erie	2,105,085	5,600	0	0	0	783	2,111,468	24,101	0
Foamex L.P., Corry, Erie	1,992,104	0	0	0	0	0	1,992,104	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Armco Inc., Butler, Butler (Route 8 South)	0	6,164,000	0	0	24,178,000	50,600	26,515,700	56,908,300	0
Zinc. Corp. of America, Monaca, Beaver	0	0	0	0	0	0	24,890,100	24,890,100	6,156,000
USS Mon Valley Works, Braddock, Allegheny	1,485,340	304,807	0	0	0	0	6,837,320	8,627,467	0
Bar Techs. Inc., Johnstown, Cambria	0	0	0	0	0	0	4,301,200	4,301,200	0
Armco Inc., Butler, Butler (Bantam Avenue)	0	0	0	0	4,390,000	320	4,075,000	8,465,320	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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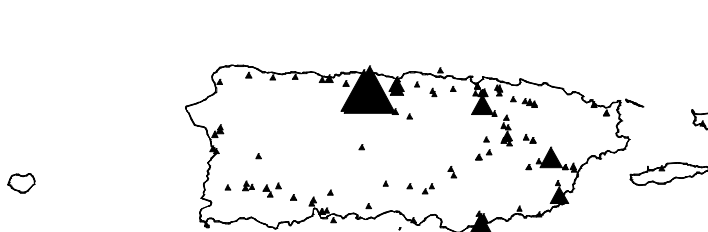
# 1997 TOXICS RELEASE INVENTORY

# PUERTO RICO

## State/TRI Data

Population	3,782,862
Square Miles	3,427
Total Facilities	150
Total Forms	446
Form As	52

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	40
Pounds	7,944,176
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	39
Pounds	7,176,391
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	40
Pounds	7,773,849
<b>National Rank for Production-related Waste Managed</b>	
Rank	39
Pounds	80,867,006



The largest triangle appearing in the map represents the largest facility for on-site releases in Puerto Rico. All triangles are proportionally-sized to represent the amounts of releases at each facility within this territory.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	7,176,391
Air Emissions	7,154,090
Surface Water Discharges	17,529
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	250
Other On-site Land Releases	4,522
Off-site Releases (Transfers Off-site to Disposal)	767,785
<b>Total On- and Off-site Releases</b>	<b>7,944,176</b>
Recycled On-site	22,957,397
Recycled Off-site	13,834,881
Energy Recovery On-site	486,257
Energy Recovery Off-site	10,392,249
Treated On-site	17,038,395
Treated Off-site	8,308,705
Quantity Released On- and Off-site (excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	7,849,122
<b>Total Production-related Waste Managed</b>	<b>80,867,006</b>
<b>Total Non-production-related Waste Managed</b>	<b>31,654</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
75-09-2	Dichloromethane	3,170,791	50	0	0	0	0	0	0	0	3,170,841
108-88-3	Toluene	1,130,850	13	0	0	0	0	0	11	30	1,130,874
71-36-3	n-Butyl alcohol	399,776	0	0	0	0	0	0	0	0	399,776
67-56-1	Methanol	380,476	0	0	0	0	0	0	1	140	380,477
	Zinc compounds	1,076	700	0	0	0	1,287	0	333,628	8,000	336,691

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# PUERTO RICO

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Abbott Health Prods. Inc., Baceroneta, Barceloneta	1,545,737	0	0	0	0	0	1,545,737	0	0
Pharmacia & Upjohn Caribe Inc., Arecibo, Arecibo	1,352,905	0	0	0	0	0	1,352,905	0	0
Schering-Plough Prods. Inc., Las Piedras, Las Piedras	550,402	0	0	0	0	0	550,402	0	0
Coatings Inc. & Co., Bayamon, Bayamon	534,690	0	0	0	0	0	534,690	0	0
Phillips Puerto Rico Core Inc., Guayama, Guayama	526,482	221	0	0	0	0	526,703	14,158	9,699

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Abbott Health Prods. Inc., Baceroneta, Barceloneta	9,089,670	25,160	0	2,617,505	5,819,149	381,194	1,556,747	19,489,425	0
Pharmacia & Upjohn Caribe Inc., Arecibo, Arecibo	0	3,010,000	0	987,638	0	2,316,804	1,348,731	7,663,173	260
Schering-Plough Prods. Inc., Las Piedras, Las Piedras	0	664,307	0	95,385	183,168	32,975	552,705	1,528,540	0
Coatings Inc. & Co., Bayamon, Bayamon	769,432	0	0	0	787,545	0	534,690	2,091,667	0
Phillips Puerto Rico Core Inc., Guayama, Guayama	467,776	0	440,850	33,370	502,215	10,043	526,619	1,980,873	22,929

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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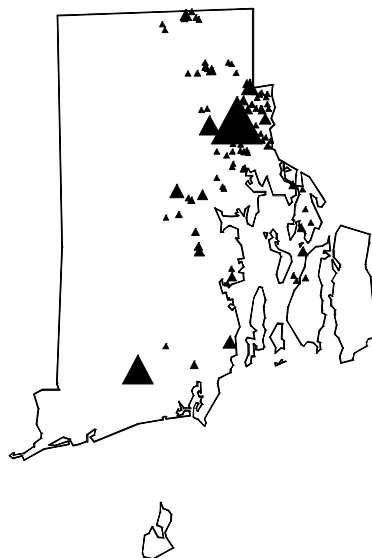
# 1997 TOXICS RELEASE INVENTORY

# RHODE ISLAND

## State/TRI Data

Population	987,263
Square Miles	1,045
Total Facilities	133
Total Forms	357
Form As	86

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	49
Pounds	2,178,884
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	49
Pounds	1,773,616
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	49
Pounds	2,075,162
<b>National Rank for Production-related Waste Managed</b>	
Rank	45
Pounds	37,238,419



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Rhode Island. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	1,773,616
Air Emissions	1,767,107
Surface Water Discharges	2,177
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	0
Other On-site Land Releases	4,332
Off-site Releases (Transfers Off-site to Disposal)	405,268
<b>Total On- and Off-site Releases</b>	<b>2,178,884</b>
Recycled On-site	14,512,098
Recycled Off-site	11,704,702
Energy Recovery On-site	224,327
Energy Recovery Off-site	792,257
Treated On-site	7,242,505
Treated Off-site	726,078
Quantity Released On- and Off-site	2,036,452
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed</b>	<b>37,238,419</b>
<b>Total Non-production-related Waste Managed</b>	<b>3,708</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
108-88-3	Toluene	761,923	1	0	0	0	2,089	803	0	750	764,816
78-93-3	Methyl ethyl ketone	301,157	0	0	0	0	2,238	1,350	0	12,000	304,745
1330-20-7	Xylene (mixed isomers)	138,305	0	0	0	0	0	23	0	0	138,328
7664-41-7	Ammonia	115,223	76	0	0	0	0	24	0	0	115,323
	Glycol ethers	78,505	0	0	0	0	0	1,912	0	0	80,417

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



## 1997 TOXICS RELEASE INVENTORY

## RHODE ISLAND

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Quebecor Printing Providence, Providence, Providence	446,054	4	0	0	0	0	446,058	43	592
Kenyon Ind. Inc., Kenyon, Washington	246,024	0	0	0	0	0	246,024	0	0
Rexam D.S.I., Johnston, Providence	150,332	0	0	0	0	0	150,332	0	0
Osram Sylvania Prods. Inc., Central Falls, Providence	108,883	34	0	0	0	0	108,917	11,134	48,700
Arkwright Inc., Fiskeville, Kent	81,350	0	0	0	0	0	81,350	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Quebecor Printing Providence, Providence, Providence	3,362,997	7,364	0	6,526	0	1,433	446,688	3,825,008	0
Kenyon Ind. Inc., Kenyon, Washington	310,600	0	0	41,900	902,000	0	218,000	1,472,500	0
Rexam D.S.I., Johnston, Providence	0	0	0	14,629	661	661	150,332	166,283	0
Osram Sylvania Prods. Inc., Central Falls, Providence	2,579,300	18,200	0	0	842,900	294,300	120,000	3,854,700	0
Stanley Bostitch Inc., North Kingstown, Washington	0	0	0	0	64,839	87,458	85,324	237,621	1,383

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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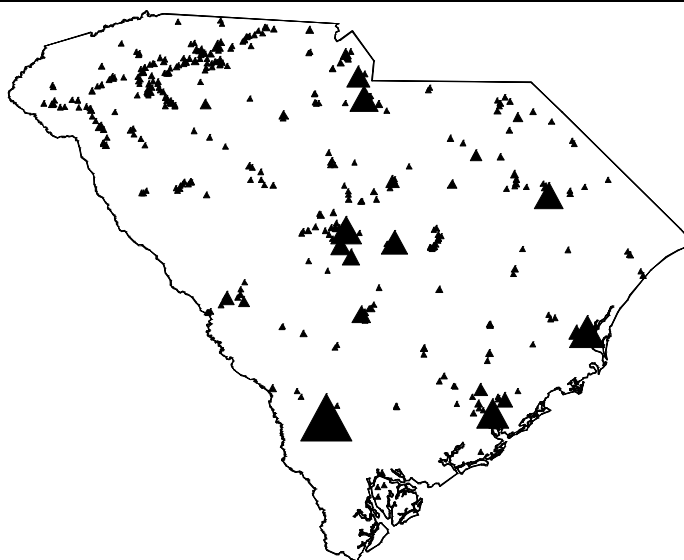
# 1997 TOXICS RELEASE INVENTORY

# SOUTH CAROLINA

## State/TRI Data

Population	3,788,119
Square Miles	30,111
Total Facilities	471
Total Forms	1,815
Form As	266

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	17
Pounds	58,444,739
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	17
Pounds	49,085,719
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	16
Pounds	59,315,734
<b>National Rank for Production-related Waste Managed</b>	
Rank	4
Pounds	1,018,832,003



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of South Carolina. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	49,085,719
Air Emissions	44,308,861
Surface Water Discharges	2,648,852
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	44,651
Other On-site Land Releases	2,083,355
Off-site Releases (Transfers Off-site to Disposal)	9,359,020
<b>Total On- and Off-site Releases</b>	<b>58,444,739</b>
Recycled On-site	449,687,937
Recycled Off-site	302,459,979
Energy Recovery On-site	65,484,208
Energy Recovery Off-site	14,921,886
Treated On-site	116,610,643
Treated Off-site	14,031,629
Quantity Released On- and Off-site (excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	55,635,721
<b>Total Production-related Waste Managed</b>	<b>1,018,832,003</b>
<b>Total Non-production-related Waste Managed</b>	<b>1,348,509</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>			<u>On-site Releases to Land</u>			Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
67-56-1	Methanol	12,829,161	207,687	0	0	0	82,105	31,716	17,080	24	13,167,749
108-88-3	Toluene	4,932,855	604	0	0	0	1,407	289,344	323	6,928	5,224,533
	Zinc compounds	224,039	52,003	0	0	2,825	234,908	1,782,515	1,906,199	2,850,434	4,202,489
7664-41-7	Ammonia	2,403,362	153,085	0	0	0	63,385	2,236	7,596	1	2,629,664
7647-01-0	Hydrochloric acid	2,153,509	0	0	0	0	5	0	0	250	2,153,514

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



## 1997 TOXICS RELEASE INVENTORY

# SOUTH CAROLINA

### Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
International Paper, Hampton, Hampton	5,032,500	68	0	0	0	0	5,032,568	201	0
International Paper Co., Georgetown, Georgetown	3,042,056	197,837	0	0	0	0	3,239,893	267,400	0
Westvaco Corp., North Charleston, Charleston	2,860,198	53,932	0	0	0	0	2,914,130	144,654	0
Anchor Continental, Columbia, Richland	2,698,370	0	0	0	0	0	2,698,370	525	213
Stone Container Corp., Florence, Florence	2,167,499	36,536	0	0	0	321,223	2,525,258	0	0

\*The facility ranking is based on the amounts in this column.

### Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
International Paper, Hampton, Hampton	0	0	0	23,410	0	119,260	5,032,500	5,175,170	0
International Paper Co., Georgetown, Georgetown	0	0	0	0	19,166,500	0	3,576,879	22,743,379	0
Westvaco Corp., North Charleston, Charleston	0	0	4,102,615	0	5,436,472	0	3,044,589	12,583,676	64
Anchor Continental, Columbia, Richland	17,914,363	0	0	48,171	628,382	738	2,698,370	21,290,024	0
Stone Container Corp., Florence, Florence	0	0	840,831	0	4,864,700	0	2,525,258	8,230,789	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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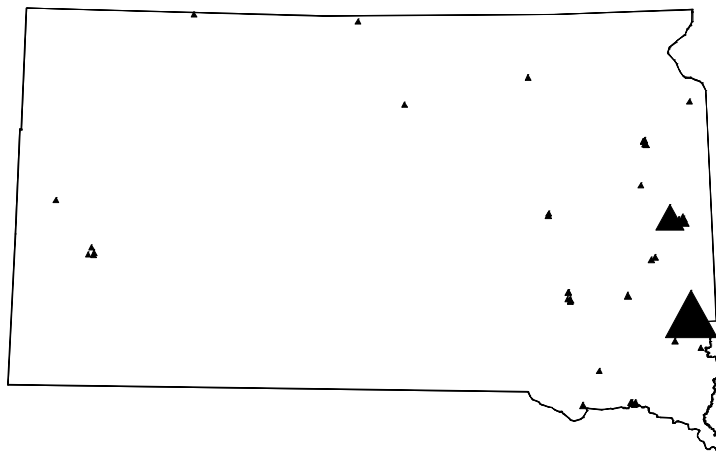
## 1997 TOXICS RELEASE INVENTORY

# SOUTH DAKOTA

### State/TRI Data

Population	737,755
Square Miles	75,896
Total Facilities	69
Total Forms	151
Form As	22

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	45
Pounds	4,216,583
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	45
Pounds	4,094,744
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	45
Pounds	4,215,325
<b>National Rank for Production-related Waste Managed</b>	
Rank	41
Pounds	71,988,223



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of South Dakota. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

### Reported Releases and Waste Management Activities

	Pounds
On-site Releases	4,094,744
Air Emissions	2,292,307
Surface Water Discharges	1,800,093
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	0
Other On-site Land Releases	2,344
Off-site Releases (Transfers Off-site to Disposal)	121,839
<b>Total On- and Off-site Releases</b>	<b>4,216,583</b>
Recycled On-site	59,132,065
Recycled Off-site	814,772
Energy Recovery On-site	1,159,000
Energy Recovery Off-site	247,666
Treated On-site	2,689,981
Treated Off-site	3,801,806
Quantity Released On- and Off-site	4,142,933
(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	
<b>Total Production-related Waste Managed</b>	<b>71,988,223</b>
<b>Total Non-production-related Waste Managed</b>	<b>6,251</b>

### Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
	Nitrate compounds	0	1,800,000	0	0	0	0	0	22	0	1,800,022
110-54-3	n-Hexane	966,932	0	0	0	0	0	0	0	0	966,932
1330-20-7	Xylene (mixed isomers)	604,804	0	0	0	0	2,088	0	10	0	606,902
108-88-3	Toluene	155,429	0	0	0	0	3	0	0	0	155,432
7664-41-7	Ammonia	110,510	88	0	0	0	0	0	57	0	110,655

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



## 1997 TOXICS RELEASE INVENTORY

## SOUTH DAKOTA

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
John Morrell & Co., Sioux Falls, Minnehaha	104,005	1,800,088	0	0	0	0	1,904,093	79	0
South Dakota Soybean, Volga, Brookings	935,682	0	0	0	0	0	935,682	0	0
3M Health Care, Brookings, Brookings	308,500	0	0	0	0	0	308,500	0	0
Starmark Inc., Sioux Falls, Minnehaha	138,210	0	0	0	0	0	138,210	0	0
Alumax Extrusions Inc., Yankton, Yankton	80,200	0	0	0	0	0	80,200	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
John Morrell & Co., Sioux Falls, Minnehaha	0	0	0	0	232,185	8,900	1,900,004	2,141,089	3,706
South Dakota Soybean, Volga, Brookings	0	0	0	0	0	0	935,682	935,682	0
3M Health Care, Brookings, Brookings	0	2,743	1,159,000	52,800	389,000	109,400	306,900	2,019,843	0
Starmark Inc., Sioux Falls, Minnehaha	0	0	0	19,140	0	0	136,169	155,309	0
Alumax Extrusions Inc., Yankton, Yankton	0	0	0	123,595	358,500	0	78,700	560,795	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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# 1997 TOXICS RELEASE INVENTORY

# TENNESSEE

## State/TRI Data

Population	5,371,693
Square Miles	41,220
Total Facilities	644
Total Forms	2,097
Form As	288

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	7
Pounds	106,881,877
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	4
Pounds	97,955,094
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	7
Pounds	103,657,889
<b>National Rank for Production-related Waste Managed</b>	
Rank	16
Pounds	578,453,345



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Tennessee. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	97,955,094
Air Emissions	81,947,095
Surface Water Discharges	1,568,988
Underground Injection Class I Wells	9,273,267
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	44,057
Other On-site Land Releases	5,121,687
Off-site Releases (Transfers Off-site to Disposal)	8,926,783
<b>Total On- and Off-site Releases</b>	<b>106,881,877</b>
Recycled On-site	202,492,375
Recycled Off-site	77,421,606
Energy Recovery On-site	48,945,665
Energy Recovery Off-site	6,293,238
Treated On-site	107,647,244
Treated Off-site	11,420,987
Quantity Released On- and Off-site	106,232,230
(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	
<b>Total Production-related Waste Managed</b>	<b>578,453,345</b>
<b>Total Non-production-related Waste Managed</b>	<b>1,034,219</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
75-15-0	Carbon disulfide	21,295,406	906	0	0	0	0	0	0	0	21,296,312
	Manganese compounds	65,593	12,687	7,000,000	0	25	3,610,550	9,473	498,282	186,507	11,196,610
108-88-3	Toluene	8,955,221	2,365	0	0	0	0	20,402	26,598	5	9,004,586
67-56-1	Methanol	7,613,042	70,460	751,344	0	0	3,987	120	24,594	7,100	8,463,547
7664-41-7	Ammonia	6,105,127	444,495	656,969	0	0	53,714	437	50	4,893	7,260,792

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# TENNESSEE

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Lenzing Fibers Corp., Lowland, Hamblen	16,800,760	19,350	0	0	0	314,800	17,134,910	0	0
Du Pont, New Johnsonville, Humphreys	2,704,850	72,735	7,858,000	0	0	125	10,635,710	0	0
Tennessee Eastman Div., Kingsport, Sullivan	5,471,170	155,323	0	0	28,184	771,615	6,426,292	0	180
PCS Nitrogen Fertilizer L.P., Millington, Shelby	4,879,993	2,922	0	0	0	0	4,882,915	20	4,893
Chemetals Inc., New Johnsonville, Humphreys	76,006	1,285	0	0	0	3,360,000	3,437,291	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Lenzing Fibers Corp., Lowland, Hamblen	7,070,000	0	0	0	200,000	0	17,134,010	24,404,010	0
Du Pont, New Johnsonville, Humphreys	0	0	0	0	4,170,000	0	10,635,710	14,805,710	11
Tennessee Eastman Div., Kingsport, Sullivan	380	5,406,000	13,817,990	1,490,000	35,241,939	1,873,855	6,408,904	64,239,068	0
PCS Nitrogen Fertilizer L.P., Millington, Shelby	0	62,800	0	0	15,210	152,270	4,880,043	5,110,323	630
Chemetals Inc., New Johnsonville, Humphreys	0	0	0	0	0	0	3,443,706	3,443,706	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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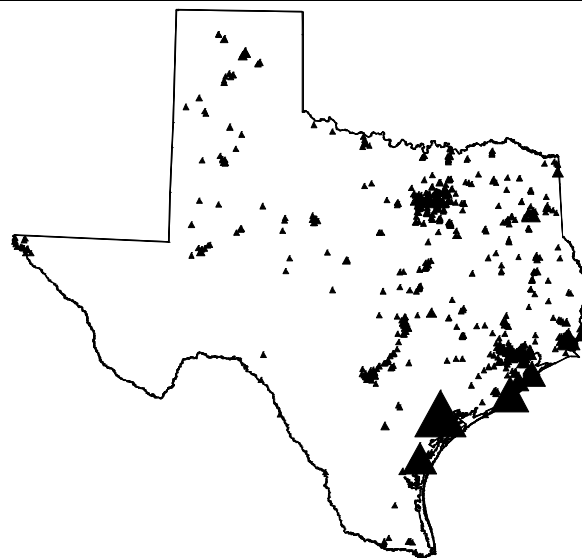
# 1997 TOXICS RELEASE INVENTORY

# TEXAS

## State/TRI Data

Population	19,385,699
Square Miles	261,914
Total Facilities	1,217
Total Forms	5,811
Form As	721

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	1
Pounds	261,709,979
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	1
Pounds	240,348,142
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	1
Pounds	258,326,051
<b>National Rank for Production-related Waste Managed</b>	
Rank	1
Pounds	4,169,616,535



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Texas. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	240,348,142
Air Emissions	108,366,675
Surface Water Discharges	20,788,710
Underground Injection Class I Wells	89,929,406
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	1,280,565
Other On-site Land Releases	19,982,786
Off-site Releases (Transfers Off-site to Disposal)	21,361,837
<b>Total On- and Off-site Releases</b>	<b>261,709,979</b>
Recycled On-site	1,086,499,032
Recycled Off-site	158,569,874
Energy Recovery On-site	984,889,997
Energy Recovery Off-site	82,814,401
Treated On-site	1,518,558,745
Treated Off-site	86,209,030
Quantity Released On- and Off-site (excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	252,075,456
<b>Total Production-related Waste Managed</b>	<b>4,169,616,535</b>
<b>Total Non-production-related Waste Managed</b>	<b>2,342,993</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*  Pounds
		<u>Underground Injection</u>			<u>On-site Releases to Land</u>			Transferred Into State  Pounds	Transferred Within State  Pounds	Transferred Out of State  Pounds	
		Air Emissions  Pounds	Surface Water Discharges  Pounds	Class I Wells  Pounds	Class II-V Wells  Pounds	RCRA Subtitle C Landfills  Pounds	Other On-site Land Releases  Pounds				
7664-41-7	Nitrate compounds	50	19,186,835	8,166,113	0	0	160	70,100	0	0	27,423,258
	Ammonia	8,192,215	611,909	17,163,161	0	1,626	276,952	173,436	880,462	12,655	27,299,761
67-56-1	Methanol	12,505,623	153,758	6,742,435	0	1,394	21,016	58,815	216,311	1,668	19,699,352
	Chromium compounds	27,475	13,836	7,203	0	507	14,539,030	66,518	3,446,516	65,123	18,101,085
74-81-1	Ethylene	16,342,653	0	2,632	0	0	0	0	0	0	16,345,285

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# TEXAS

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	<u>Underground Injection</u>				<u>On-site Releases to Land</u>			Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Du Pont, Victoria, Victoria	479,188	1,745	23,040,356	0	13,473	154	23,534,916	0	0
BASF Corp., Freeport, Brazoria	403,839	14,011,739	2,111,920	0	0	0	16,527,498	25,175	8,608
American Chrome & Chemicals, Corpus Christi, Nueces	89,700	6,050	0	0	0	14,500,000	14,595,750	3,162,605	0
BP Chemicals Inc., Port Lavaca, Calhoun	178,619	883	13,554,980	0	8,788	0	13,743,270	8,433	0
Sterling Chemicals Inc., Texas City, Galveston	894,759	5,097	10,008,421	0	0	0	10,908,277	15,285	2

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Du Pont, Victoria, Victoria	0	0	24,683,408	0	7,393,669	897,139	23,534,916	56,509,132	0
BASF Corp., Freeport, Brazoria	0	138,300	11,672,900	559,741	80,563,300	252,900	16,608,206	109,795,347	0
American Chrome & Chemicals, Corpus Christi, Nueces	0	0	0	0	0	3,160,000	14,591,500	17,751,500	0
BP Chemicals Inc., Port Lavaca, Calhoun	0	0	132,898,300	0	2,555,677	18,766	13,741,200	149,213,943	15,636
Sterling Chemicals Inc., Texas City, Galveston	130,000	162	139,505,891	9,147	5,083,925	5,910	10,957,383	155,692,418	16,981

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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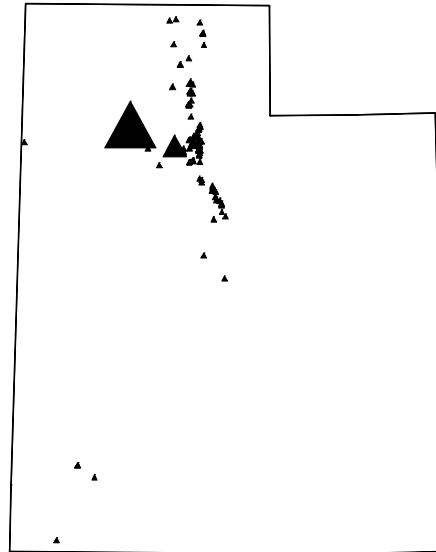
# 1997 TOXICS RELEASE INVENTORY

# UTAH

## State/TRI Data

Population	2,065,001
Square Miles	82,168
Total Facilities	143
Total Forms	496
Form As	98

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	8
Pounds	103,717,225
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	6
Pounds	93,926,091
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	9
Pounds	97,408,411
<b>National Rank for Production-related Waste Managed</b>	
Rank	23
Pounds	361,475,674



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Utah. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	93,926,091
Air Emissions	65,561,602
Surface Water Discharges	1,230,027
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	16,749
Other On-site Land Releases	27,117,713
Off-site Releases (Transfers Off-site to Disposal)	9,791,134
<b>Total On- and Off-site Releases</b>	<b>103,717,225</b>
Recycled On-site	1,940,716
Recycled Off-site	1,997,415
Energy Recovery On-site	25,388,793
Energy Recovery Off-site	139,834
Treated On-site	235,120,198
Treated Off-site	772,988
Quantity Released On- and Off-site	96,115,730
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed</b>	<b>361,475,674</b>
<b>Total Non-production-related Waste Managed</b>	<b>5,650,581</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air	Surface	Class I	Class II-V	RCRA	Other				
		Emissions	Water Discharges	Wells	Wells	Subtitle C Landfills	On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
7782-50-5	Chlorine	59,325,401	0	0	0	0	0	0	0	0	59,325,401
	Copper compounds	93,068	3,500	0	0	0	9,900,054	442,194	232,066	108,804	10,670,882
	Zinc compounds	16,519	5,960	0	0	0	5,230,032	699,661	41,740	7,142,428	5,993,912
	Lead compounds	49,140	347	0	0	0	4,500,513	548,338	108,617	762,082	5,206,955
	Arsenic compounds	11,250	250	0	0	0	4,200,000	166,041	89,005	250	4,466,546

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# UTAH

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Magnesium Corp. of America, Salt Lake City, Salt Lake	62,335,864	0	0	0	0	0	62,335,864	0	0
Kennecott Utah Copper, Magna, Salt Lake	242,420	10,050	0	0	0	24,074,600	24,327,070	415,865	7,620
Geneva Steel, Vineyard, Utah	106,233	1,213,779	0	0	0	965,130	2,285,142	0	0
Western Zirconium, Ogden, Weber	146,000	0	0	0	0	1,492,900	1,638,900	0	0
Thiokol Propulsion Group, Promontory, Box Elder	581,000	0	0	0	0	0	581,000	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Magnesium Corp. of America, Salt Lake City, Salt Lake	4,500	0	0	0	222,549,400	0	62,046,400	284,600,300	0
Kennecott Utah Copper, Magna, Salt Lake	0	3	0	0	1,500	0	19,156,060	19,157,563	5,648,300
Nucor Steel, Plymouth, Box Elder	153,951	14	0	0	0	0	8,663,948	8,817,913	3
Geneva Steel, Vineyard, Utah	0	0	0	0	1,963,460	97,212	2,280,323	4,340,995	0
Thiokol Propulsion Group, Promontory, Box Elder	0	89,378	0	0	329	0	581,000	670,707	164

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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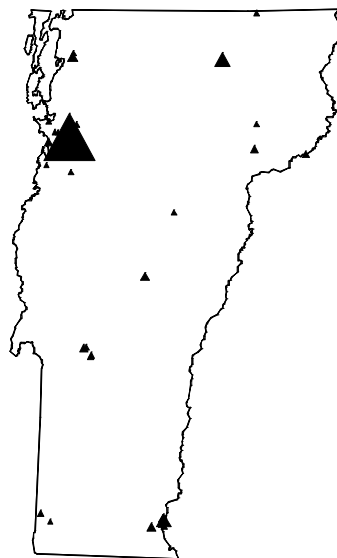
# 1997 TOXICS RELEASE INVENTORY

# VERMONT

## State/TRI Data

Population	588,632
Square Miles	9,249
Total Facilities	37
Total Forms	78
Form As	10

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	51
Pounds	566,695
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	52
Pounds	405,287
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	52
Pounds	412,158
<b>National Rank for Production-related Waste Managed</b>	
Rank	52
Pounds	3,964,353



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Vermont. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	405,287
Air Emissions	216,040
Surface Water Discharges	188,985
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	0
Other On-site Land Releases	262
Off-site Releases (Transfers Off-site to Disposal)	161,408
<b>Total On- and Off-site Releases</b>	<b>566,695</b>
Recycled On-site	122,855
Recycled Off-site	2,120,867
Energy Recovery On-site	0
Energy Recovery Off-site	21,898
Treated On-site	1,105,112
Treated Off-site	157,535
Quantity Released On- and Off-site	436,086
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed</b>	<b>3,964,353</b>
<b>Total Non-production-related Waste Managed</b>	<b>0</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
	Nitrate compounds	0	180,000	0	0	0	0	0	0	0	180,000
108-88-3	Toluene	61,159	0	0	0	0	0	418	0	0	61,577
7664-93-9	Sulfuric acid	38,146	0	0	0	0	0	0	0	0	38,146
67-56-1	Methanol	33,225	0	0	0	0	0	0	0	881	33,225
78-93-3	Methyl ethyl ketone	26,995	0	0	0	0	0	251	0	0	27,246

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# VERMONT

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
IBM, Essex Junction, Chittenden	14,310	184,870	0	0	0	0	199,180	0	20,205
Ethan Allen Inc., Orleans, Orleans	41,695	0	0	0	0	0	41,695	0	0
Fibermark Office Prods. LLC, Brattleboro, Windham	37,511	0	0	0	0	0	37,511	0	0
Mylan Labs. Inc., Saint Albans, Franklin	17,821	0	0	0	0	0	17,821	0	0
Ethan Allen Inc., Beecher Falls, Essex	16,739	0	0	0	0	0	16,739	0	881

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
IBM, Essex Junction, Chittenden	0	288,000	0	0	433,640	20	219,242	940,902	0
Ethan Allen Inc., Orleans, Orleans	7,621	0	0	0	0	2,029	41,695	51,345	0
Fibermark Office Prods. LLC, Brattleboro, Windham	0	0	0	0	0	0	37,511	37,511	0
Mylan Labs. Inc., Saint Albans, Franklin	0	0	0	7,150	2,350	67,460	17,821	94,781	0
Ethan Allen Inc., Beecher Falls, Essex	0	0	0	0	0	0	17,620	17,620	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

## For More Information...

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# 1997 TOXICS RELEASE INVENTORY

# VIRGIN ISLANDS

## State/TRI Data

Population	101,809
Square Miles	134
Total Facilities	2
Total Forms	25
Form As	1

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	50
Pounds	1,428,697
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	50
Pounds	1,428,589
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	50
Pounds	1,428,589
<b>National Rank for Production-related Waste Managed</b>	
Rank	48
Pounds	16,021,428



The triangle appearing in the map represents the only facility with on-site releases in the Virgin Islands.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	1,428,589
Air Emissions	1,401,398
Surface Water Discharges	25,723
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	0
Other On-site Land Releases	1,468
Off-site Releases (Transfers Off-site to Disposal)	108
<b>Total On- and Off-site Releases</b>	<b>1,428,697</b>
Recycled On-site	634,022
Recycled Off-site	220,119
Energy Recovery On-site	0
Energy Recovery Off-site	2,060
Treated On-site	13,384,698
Treated Off-site	351,827
Quantity Released On- and Off-site	1,428,702
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed</b>	<b>16,021,428</b>
<b>Total Non-production-related Waste Managed</b>	<b>0</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
74-85-1	Ethylene	282,951	0	0	0	0	0	0	0	0	282,951
115-07-1	Propylene	225,872	0	0	0	0	0	0	0	0	225,872
1330-20-7	Xylene (mixed isomers)	173,048	57	0	0	0	0	0	0	7	173,105
110-54-3	n-Hexane	160,989	4	0	0	0	0	0	0	0	160,993
108-88-3	Toluene	151,479	48	0	0	0	0	0	0	0	151,527

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# VIRGIN ISLANDS

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Hess Oil Virgin Islands Corp., Kingshill, St. Croix	1,401,398	25,723	0	0	0	1,468	1,428,589	0	108
Virgin Islands Rum Ind. Ltd., Frederiksted, St. Croix	0	0	0	0	0	0	0	0	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Hess Oil Virgin Islands Corp., Kingshill, St. Croix	634,022	220,119	0	2,060	13,384,698	351,827	1,428,702	16,021,428	0
Virgin Islands Rum Ind. Ltd., Frederiksted, St. Croix	0	0	0	0	0	0	0	0	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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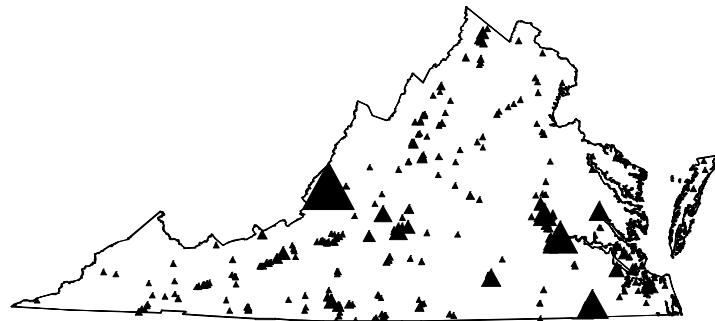
# 1997 TOXICS RELEASE INVENTORY

# VIRGINIA

## State/TRI Data

Population	6,737,489
Square Miles	39,598
Total Facilities	424
Total Forms	1,392
Form As	179

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	18
Pounds	57,928,069
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	16
Pounds	52,379,816
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	17
Pounds	55,395,443
<b>National Rank for Production-related Waste Managed</b>	
Rank	15
Pounds	632,477,820



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Virginia. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	52,379,816
Air Emissions	47,301,315
Surface Water Discharges	3,859,721
Underground Injection Class I Wells**	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	124,390
Other On-site Land Releases	1,094,390
Off-site Releases (Transfers Off-site to Disposal)	5,548,253
<b>Total On- and Off-site Releases</b>	<b>57,928,069</b>
Recycled On-site	175,060,942
Recycled Off-site	19,598,037
Energy Recovery On-site	35,839,169
Energy Recovery Off-site	10,140,409
Treated On-site	311,234,341
Treated Off-site	22,099,062
Quantity Released On- and Off-site	58,508,860
(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	
<b>Total Production-related Waste Managed</b>	<b>632,477,820</b>
<b>Total Non-production-related Waste Managed</b>	<b>93,220</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air	Surface	Class I	Class II-V	RCRA	Other				
		Emissions	Water Discharges	Wells**	Wells	Subtitle C Landfills	On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
67-56-1	Methanol	13,290,391	85,529	0	0	0	19,733	0	35,004	183	13,430,657
7664-41-7	Ammonia	6,065,132	154,450	0	0	0	7,783	250	13,057	424	6,240,672
108-88-3	Toluene	5,191,139	1,020	0	0	0	0	0	48	10	5,192,207
7647-01-0	Hydrochloric acid	4,065,136	0	0	0	0	0	0	0	0	4,065,136
	Nitrate compounds	250	3,483,053	0	0	0	0	5	3,356	186	3,486,664

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.

\*\*Because of an EPA data entry error for one facility, 51,817 pounds were incorrectly identified as underground injection to Class I wells in Virginia in 1997. This amount should have been entered as discharged to surface waters. This State Fact Sheet reflects the correct data. However, the error was discovered too late to be corrected throughout the main volume of the 1997 TRI Public Data Release.



# 1997 TOXICS RELEASE INVENTORY

# VIRGINIA

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	<u>Underground Injection</u>				<u>On-site Releases to Land</u>			Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds			
Westvaco Corp., Covington, Alleghany	4,826,545	83,145	0	0	0	165,636	5,075,326	0	0
Allied-Signal Inc., Hopewell, Hopewell City	2,997,703	187,515	0	0	0	0	3,185,218	17,300	93,240
Union Camp Corp., Franklin, Isle of Wight	2,725,608	100,396	0	0	0	0	2,826,004	1,072,685	0
Stone Container Corp., Hopewell, Hopewell City	1,983,315	0	0	0	0	0	1,983,315	454,830	0
Phillip Morris USA, Richmond, Richmond City	1,933,465	0	0	0	0	0	1,933,465	2,100	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Westvaco Corp., Covington, Alleghany	0	0	361,900	0	18,389,808	0	5,080,710	23,832,418	0
Union Camp Corp., Franklin, Isle of Wight	440,000	0	2,000,130	0	51,267,971	2,100	4,139,590	57,849,791	0
Allied-Signal Inc., Hopewell, Hopewell City**	5,266,400	1,800	688,270	0	6,834,005	2,846,255	3,202,486	18,839,216	0
Roanoke Electric Steel Corp., Roanoke, Roanoke	0	0	0	0	0	0	2,726,093	2,726,093	0
Stone Container Corp., Hopewell, Hopewell City	0	0	10,570	0	0	3,996,700	2,446,686	6,453,956	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

\*\*Allied-Signal Inc. in Hopewell, Virginia, reported on-site treatment of 1,070,000 pounds of chlorine and 4,437,620 pounds of n-hexane in 1997. The facility has since revised these quantities to 107,000 pounds of chlorine and 546,290 pounds of n-hexane. This changes the facility's total for on-site treatment to 1,979,675 pounds and the facility's total production-related waste to 13,984,886 pounds. Facility rankings on this page are unaffected.

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# 1997 TOXICS RELEASE INVENTORY

# WASHINGTON

## State/TRI Data

Population	5,614,151
Square Miles	66,581
Total Facilities	283
Total Forms	925
Form As	117

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	26
Pounds	31,830,466
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	27
Pounds	24,434,377
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	31
Pounds	25,671,920
<b>National Rank for Production-related Waste Managed</b>	
Rank	30
Pounds	226,098,836



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Washington. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	24,434,377
Air Emissions	21,629,906
Surface Water Discharges	2,463,756
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	3,468
Other On-site Land Releases	337,247
Off-site Releases (Transfers Off-site to Disposal)	7,396,089
<b>Total On- and Off-site Releases</b>	<b>31,830,466</b>
Recycled On-site	96,663,620
Recycled Off-site	6,416,187
Energy Recovery On-site	12,166,288
Energy Recovery Off-site	857,072
Treated On-site	75,521,856
Treated Off-site	3,627,965
Quantity Released On- and Off-site (excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	30,845,848
<b>Total Production-related Waste Managed</b>	<b>226,098,836</b>
<b>Total Non-production-related Waste Managed</b>	<b>146,155</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
67-56-1	Methanol	6,409,927	543,179	0	0	0	6,100	0	255	123	6,959,461
7664-41-7	Ammonia	1,589,173	348,617	0	0	0	93,300	0	38,900	44,968	2,069,990
463-58-1	Carbonyl sulfide	1,820,838	0	0	0	0	0	0	0	0	1,820,838
7664-39-3	Hydrogen fluoride	1,475,716	0	0	0	0	0	250	750	0	1,476,716
	Nitrate compounds	256	1,163,466	0	0	0	145,330	0	5	1,097,350	1,309,057

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



## 1997 TOXICS RELEASE INVENTORY

## WASHINGTON

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Weyerhaeuser Co., Longview, Cowlitz	4,179,303	275,063	0	0	0	0	4,454,366	327,327	0
Fort James Camas LLC, Camas, Clark	1,148,750	222,750	0	0	0	4,570	1,376,070	0	7,700
Boise Cascade, Wallula, Walla Walla	1,239,966	93,766	0	0	0	38,248	1,371,980	0	301
Georgia-Pacific West Inc., Bellingham, Whatcom	596,304	563,852	0	0	0	0	1,160,156	1,322	1,692
Kaiser Aluminum & Chemical, Mead, Spokane	1,121,755	286	0	0	0	250	1,122,291	250	24,900

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Quantity Released On-site and Off-site*							Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On-site and Off-site*	Pounds	Pounds
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Weyerhaeuser Co., Longview, Cowlitz	1,100	0	0	1,000	17,363,910	0	4,826,500	22,192,510	1,438
Birmingham Steel Corp., Seattle, King	0	1,014,868	0	0	0	0	3,901,611	4,916,479	0
Unocal, Kennewick, Benton	0	0	0	0	0	0	1,986,280	1,986,280	134,910
Fort James Camas LLC, Camas, Clark	0	0	637,500	0	3,754,840	7,700	1,386,700	5,786,740	1,321
Boise Cascade, Wallula, Walla Walla	0	0	20,500	0	9,346,696	0	1,372,727	10,739,923	100

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

## For More Information...

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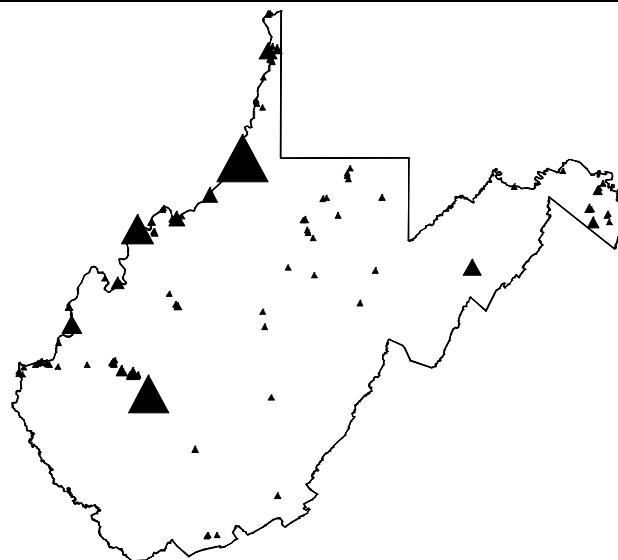
# 1997 TOXICS RELEASE INVENTORY

# WEST VIRGINIA

## State/TRI Data

Population	1,815,231
Square Miles	24,087
Total Facilities	139
Total Forms	680
Form As	38

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	31
Pounds	24,770,942
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	31
Pounds	20,823,250
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	32
Pounds	23,246,787
<b>National Rank for Production-related Waste Managed</b>	
Rank	26
Pounds	313,800,240



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of West Virginia. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	20,823,250
Air Emissions	13,979,963
Surface Water Discharges	6,771,631
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	1,049
Other On-site Land Releases	70,607
Off-site Releases (Transfers Off-site to Disposal)	3,947,692
<b>Total On- and Off-site Releases</b>	<b>24,770,942</b>
Recycled On-site	116,453,349
Recycled Off-site	7,263,396
Energy Recovery On-site	41,657,129
Energy Recovery Off-site	6,224,775
Treated On-site	110,528,227
Treated Off-site	6,956,661
Quantity Released On- and Off-site <i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	24,716,703
<b>Total Production-related Waste Managed</b>	<b>313,800,240</b>
<b>Total Non-production-related Waste Managed</b>	<b>39,469</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
108-88-3	Nitrate compounds	0	6,244,293	0	0	0	5	0	0	0	6,244,298
	Toluene	1,246,059	2,606	0	0	1,044	385	0	360	258,132	1,250,454
7647-01-0	Manganese compounds	13,722	53,751	0	0	0	71	3,210	1,045,132	86,739	1,115,886
	Hydrochloric acid	1,102,278	318	0	0	0	800	0	0	0	1,103,396
	67-56-1	Methanol	1,060,320	36,984	0	0	0	25	0	0	1,003

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



## 1997 TOXICS RELEASE INVENTORY

## WEST VIRGINIA

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Bayer Corp., New Martinsville, Marshall	305,250	3,206,967	0	0	0	404	3,512,621	11,980	7,255
Du Pont, Belle, Kanawha	289,886	2,412,000	0	0	0	0	2,701,886	0	488,600
Du Pont, Washington, Wood	1,874,017	179,717	0	0	0	0	2,053,734	646,299	5,157
Columbian Chemicals Co., Proctor, Marshall	1,110,000	0	0	0	0	0	1,110,000	0	0
Shell Chemical Co., Apple Grove, Mason	1,010,841	91,715	0	0	0	489	1,103,045	483	0

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Bayer Corp., New Martinsville, Marshall	0	36,902	2,167,832	198,059	4,341,821	12,081	3,526,606	10,283,301	1,700
Du Pont, Belle, Kanawha	610,000	0	1,369,258	300,179	5,915,700	173,811	3,188,676	11,557,624	0
Du Pont, Washington, Wood	26,006,460	661,635	0	0	28,983,882	97,811	2,701,441	58,451,229	475
Weirton Steel Corp., Weirton, Hancock	54,099	0	0	0	253,962	1,163,347	1,642,004	3,113,412	0
Columbian Chemicals Co., Proctor, Marshall	0	0	0	0	400,000	0	1,110,000	1,510,000	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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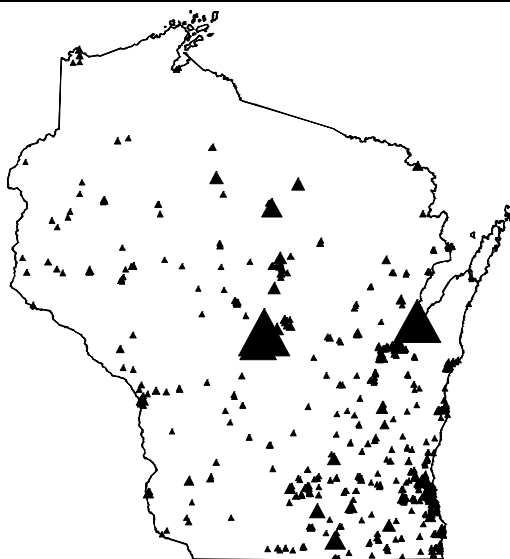
# 1997 TOXICS RELEASE INVENTORY

# WISCONSIN

## State/TRI Data

Population	5,201,226
Square Miles	54,314
Total Facilities	875
Total Forms	2,625
Form As	391

<b>National Rank for Total On- and Off-site Releases</b> (includes transfers out-of-state for disposal)	
Rank	19
Pounds	50,559,397
<b>National Rank for Total On-site Releases</b> (includes quantities released at the facility; excludes quantities transferred to other sites for disposal)	
Rank	24
Pounds	30,135,032
<b>National Rank for Total Releases within State</b> (excludes transfers out-of-state for disposal)	
Rank	18
Pounds	50,565,472
<b>National Rank for Production-related Waste Managed</b>	
Rank	25
Pounds	323,267,347



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Wisconsin. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	30,135,032
Air Emissions	25,893,626
Surface Water Discharges	2,972,233
Underground Injection Class I Wells	5
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	842
Other On-site Land Releases	1,268,326
Off-site Releases (Transfers Off-site to Disposal)	20,424,365
<b>Total On- and Off-site Releases</b>	<b>50,559,397</b>
Recycled On-site	57,504,628
Recycled Off-site	62,772,874
Energy Recovery On-site	12,737,855
Energy Recovery Off-site	17,638,679
Treated On-site	117,250,445
Treated Off-site	16,405,819
Quantity Released On- and Off-site	38,957,047
(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)	
<b>Total Production-related Waste Managed</b>	<b>323,267,347</b>
<b>Total Non-production-related Waste Managed</b>	<b>29,846</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
1344-28-1	Aluminum oxide (fibrous forms)	1,660	0	0	0	0	0	0	9,047,515	3,100	9,049,175
67-56-1	Methanol	4,572,167	186,554	0	0	0	15,817	0	6,480	2,325	4,781,018
108-88-3	Toluene	2,788,125	0	0	0	0	21	83,580	5,672	15,483	2,877,398
	Manganese compounds	28,719	23,272	0	0	0	364,899	98,760	2,230,797	567,328	2,746,447
7439-96-5	Manganese	95,795	11,680	5	0	0	46	8,444	2,607,581	2,693	2,723,551

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# WISCONSIN

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	<u>Underground Injection</u>				<u>On-site Releases to Land</u>			Transferred Within State	Transferred Out of State
	Air	Surface	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Emissions	Water Discharges							
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
CPI, Wisconsin Rapids, Wood	2,603,905	750	0	0	0	264,000	2,868,655	96,000	0
Fort James Operating Co., Green Bay, Brown	1,221,265	1,400,250	0	0	0	0	2,621,515	48,250	0
Nekoosa Papers Inc., Nekoosa, Wood	1,456,669	320,752	0	0	0	163,996	1,941,417	0	0
Tenneco Packaging, Tomahawk, Lincoln	271,263	17,199	0	0	0	618,800	907,262	0	0
General Motors Corp., Janesville, Rock	891,510	0	0	0	0	0	891,510	2,880	14,667

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
CPI, Wisconsin Rapids, Wood	0	0	2,165,300	0	1,163,000	7,063,550	2,963,260	13,355,110	0
Fort James Operating Co., Green Bay, Brown	38,800	8,942	0	0	558,400	0	2,662,000	3,268,142	0
Nekoosa Papers Inc., Nekoosa, Wood	0	0	2,070,300	0	3,248,180	0	1,867,779	7,186,259	0
Grede Foundries Inc., Milwaukee, Milwaukee	0	0	0	0	0	0	1,348,939	1,348,939	0
Waupaca Fndy. Inc., Waupaca, Waupaca	0	1,304,000	0	0	113,200	9,172	1,340,686	2,767,058	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

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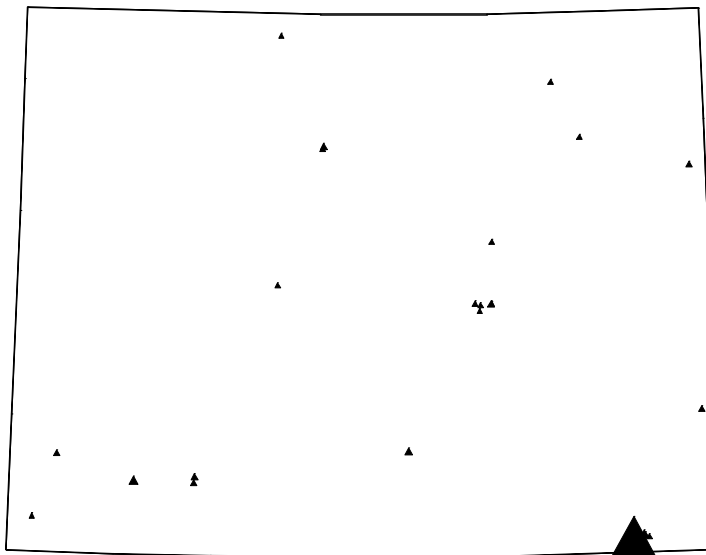
## 1997 TOXICS RELEASE INVENTORY

# WYOMING

### State/TRI Data

Population	480,043
Square Miles	97,105
Total Facilities	32
Total Forms	161
Form As	21

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	39
Pounds	9,357,158
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	36
Pounds	9,349,356
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	37
Pounds	9,356,085
<b>National Rank for Production-related Waste Managed</b>	
Rank	47
Pounds	17,819,479



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Wyoming. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

### Reported Releases and Waste Management Activities

	Pounds
On-site Releases	9,349,356
Air Emissions	2,296,413
Surface Water Discharges	7,485
Underground Injection Class I Wells	6,820,250
Underground Injection Class II-V Wells	505
On-site Land Releases to RCRA Subtitle C Landfills	0
Other On-site Land Releases	224,703
Off-site Releases (Transfers Off-site to Disposal)	7,802
<b>Total On- and Off-site Releases</b>	<b>9,357,158</b>
Recycled On-site	3,360,150
Recycled Off-site	417,925
Energy Recovery On-site	74,591
Energy Recovery Off-site	2,470
Treated On-site	4,546,158
Treated Off-site	62,317
Quantity Released On- and Off-site	9,355,868
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed</b>	<b>17,819,479</b>
<b>Total Non-production-related Waste Managed</b>	<b>4,163</b>

### Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
	Nitrate compounds	0	322	6,500,000	0	0	12,250	0	0	0	6,512,572
7664-41-7	Ammonia	653,774	6,093	260,000	0	0	7,654	0	0	0	927,521
7664-93-9	Sulfuric acid	224,400	0	0	0	0	0	0	0	0	224,400
110-54-3	n-Hexane	198,750	10	0	0	0	2,311	0	5	23	201,076
7647-01-0	Hydrochloric acid	161,250	0	0	0	0	0	0	0	0	161,250

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1997 TOXICS RELEASE INVENTORY

# WYOMING

## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Coastal Chem Inc., Cheyenne, Laramie	460,350	0	6,820,250	0	0	240	7,280,840	0	0
FMC Corp., Green River, Sweetwater	312,865	0	0	0	0	196,000	508,865	0	0
Sinclair Oil Corp., Sinclair, Carbon	296,159	0	0	0	0	0	296,159	0	500
Crown Cork & Seal Co. Inc., Worland, Washakie	253,649	0	0	0	0	0	253,649	156	0
Little America Refining Co., Casper, Natrona	179,495	0	0	0	0	1	179,496	5,788	213

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Coastal Chem Inc., Cheyenne, Laramie	0	1,700	0	0	0	0	7,280,580	7,282,280	0
FMC Corp., Green River, Sweetwater	4	0	0	0	821,401	7	506,278	1,327,690	0
Sinclair Oil Corp., Sinclair, Carbon	208,169	0	38,961	0	787,886	0	296,211	1,331,227	0
Crown Cork & Seal Co. Inc., Worland, Washakie	0	0	0	0	41,000	7	260,150	301,157	0
Little America Refining Co., Casper, Natrona	2,929,038	0	0	0	7,879	0	184,747	3,121,664	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

## For More Information...

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**To obtain TRI data use assistance, call TRI User Support Service (TRI-US):**  
(202) 260-1531  
Fax (202) 401-2347



# PUBLIC ACCESS TO THE TOXICS RELEASE INVENTORY

## TRI Reports and Data Products

Product	Supplier	Contact Information	Order Information
1997 TRI Public Data Release (annual report)	U.S. EPA EPCRA Hotline  EPA's National Service Center for Environmental Publications (NSCEP)	(800) 424-9346 Fax Document Requests Only: (703) 412-3333 Hours: 9:30 a.m. - 7:30 p.m. (Eastern Time)	EPA 745-R-99-003 ( <b>Free</b> )
1997 State Fact Sheets		(800) 490-9198 (513) 489-8190 Fax: (513) 489-8695	EPA 745-F-99-001 ( <b>Free</b> )
1987-1996 TRI CD-ROM	U.S. GPO	(202) 512-1800	EPA 745-C-99-003 (about \$40)
<a href="http://www.epa.gov/opptintr/tri/cd-rom.htm">http://www.epa.gov/opptintr/ tri/cd-rom.htm</a>	National Technical Information Service (NTIS)	(703) 487-4650 or (800) 553-6847	EPA 745-C-99-003 (about \$40)
	NSCEP	(800) 490-9198 (513) 489-8190 Fax: (513) 489-8695	EPA 745-C-99-003 ( <b>Free</b> to libraries, educators, students, non- profits, and community groups)
1997 State Data Files, National Files, and Federal Facilities files in .dbf (DBase format).	U.S. GPO	(202) 512-1530	\$15 - \$25/disk
	U.S. EPA	<a href="http://www.epa.gov/opptintr/disks97.htm">http://www.epa.gov/opptintr/ disks97.htm</a>	Free
TRI Information Kit	NSCEP	(800) 490-9198 (513) 489-8190 Fax: (513) 489-8695	EPA 749-F-98-002 ( <b>Free</b> )
	TRI User Support Service (TRI- US)	(202) 260-1531 Fax: (202) 401-2347	EPA 749-F-98-002 ( <b>Free</b> )
Chemicals in the Environment	NSCEP	(800) 490-9198 (513) 489-8190 Fax: (513) 489-8695	Toxics Release Inventory (TRI) Pamphlet EPA 747-R-97-0016

**Note:** The 1987-1997 CD-ROM, containing the latest available data, will be published later in 1999.

## Accessing TRI Data Online

Data from Online Providers	Internet Address	Special Notes
Right to Know Network (RTKNET) – Provides public access to TRI and related environmental data bases. For more information, call (202) 797-7200.	<a href="http://www.rtk.net">http://www.rtk.net</a> <a href="ftp://ftp.rtknet.org">ftp://ftp.rtknet.org</a>	No charge for Internet access. Direct access by modem at parameters to 8,N,1 and log in as "public". Phone charge may apply.
National Library of Medicine (NLM) – Offers comprehensive, user friendly searching of the TRI data base. For more information, call (301) 496-6531.	<a href="http://www.nlm.nih.gov">http://www.nlm.nih.gov</a>	\$18 - \$20 per hour charge. Password required.
U.S. EPA Internet Server – Access to a variety of reports, data files, and TRI information from EPA. For more information, call TRI- US at (202) 260-1531.	TRI-specific information: <a href="http://www.epa.gov/opptintr/tri">http://www.epa.gov/opptintr/tri</a> <a href="http://www.epa.gov/enviro">http://www.epa.gov/enviro</a>	General information: <a href="http://www.epa.gov">http://www.epa.gov</a> <a href="ftp://ftp.epa.gov">ftp://ftp.epa.gov</a> <a href="gopher://gopher.epa.gov">gopher://gopher.epa.gov</a>